

VILLAGE OF ORLAND PARK, ILLINOIS

REQUEST FOR PROPOSALS

LaGrange Road Seasonal Lighting Improvements

ISSUED

Thursday March 20, 2008

PRE-PROPOSAL MEETING

Wednesday April 2, 2008
10:00 a.m.

PROPOSALS DUE

Tuesday April 8, 2008
11:00 a.m.

**VILLAGE OF ORLAND PARK, ILLINOIS
LAGRANGE ROAD SEASONAL LIGHTING IMPROVEMENTS
REQUEST FOR PROPOSALS**

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**VILLAGE OF ORLAND PARK, ILLINOIS
LAGRANGE ROAD SEASONAL LIGHTING IMPROVEMENTS
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I. INSTRUCTIONS TO PROPOSERS

OVERVIEW

The Village of Orland Park is requesting proposals from interested parties for LaGrange Road Seasonal Lighting Improvements. Proposals must include a list of services, equipment and goods to be provided in accordance with the following requirements.

Proposals must be submitted no later than **11:00am, local time, on Tuesday April 8, 2008**. No consideration will be given to proposals received after the above stated date and time. Proposers must submit two (2) complete, signed and attested copies of the proposal, one (1) of which is a complete, bound copy and one (1) is a complete, identical unbound copy of the proposal labeled: **Village of Orland Park – LaGrange Road Seasonal Lighting Improvements - RFP** and addressed to:

Village of Orland Park
Village Clerk's Office
14700 S. Ravinia Avenue
Orland Park, Illinois 60462

All proposals submitted must include all information and documents as requested in this Request for Proposal. No oral or electronic proposals, including those sent by facsimile or via e-mail, will be accepted or considered. All proposals received after the submittal time will be rejected and returned unopened. Failure to follow these instructions may result in rejection of the proposal.

THE VILLAGE RESERVES THE RIGHT TO REJECT ANY AND ALL PROPOSALS AND TO WAIVE ANY IRREGULARITIES.

A pre-proposal meeting, at which attendance is strongly encouraged, will be held on Wednesday April 2, 2008 at 10:00 a.m., at the Village Public Works Office, 15655 S. Ravinia Avenue, Orland Park, IL, 60462.

QUESTIONS REGARDING THIS REQUEST FOR PROPOSAL SHOULD BE IN WRITING AND DIRECTED TO:

**Mr. Tom Martin
Village of Orland Park
15655 S. Ravinia Avenue
Orland Park, Illinois 60462
tmartin@orland-park.il.us
fax: (708)403-8798**

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by the end of business on Thursday April 4, 2008. No oral comments will be made to any Proposer as to the meaning of the RFP and Specifications or other contract documents. Answers will be provided in writing to all potential proposers. Proposers will not be relieved of obligations due to failure to examine or receive documents, visit the site or become familiar with conditions or facts of which the Proposer should have been aware and the Village will reject all claims related thereto.

Information (other than in the form of a written Addendum issued by the Village) from any officer, agent, or employee of the Village or any other person shall not affect the risks or obligations assumed by the proposer or relieve him/her from fulfilling any of the conditions and obligations set forth in the proposal and other contract documents. Before the proposals are opened, all modification or additions to the proposal documents will be made in the form of a written Addendum issued by the Village. The Village will send copies of any such Addendum to those persons who have received proposal packages and provided sufficient contact information. In the event of conflict with the original contract documents, addenda shall govern all other contract documents to the extent specified. Subsequent addenda shall govern over prior addenda only to the extent specified.

The proposer shall be required to acknowledge receipt of the formal Addendum by signing the Addendum and including it with the proposal quotation. Failure of a proposer to include a signed formal Addendum in its proposal quotation shall deem its quotation non-responsive; provided, however, that the Village may waive this requirement if in its best interest.

Proposals will be opened and evaluated in private and proposal information will be kept confidential until an award is made.

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REQUIREMENTS OF PROPOSAL

Scope of Services

The Village of Orland Park, Illinois is requesting proposals to furnish and install a breakaway transformer base, step down transformer and wiring, and pole mounted receptacle on existing light poles as described in detail in Section III of this document. The work is to be completed as the Village budget allows over the course of three years.

Special Conditions

All construction shall conform to the latest edition of the Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction." Section III contains additional specifications, which must also be adhered to, in the form of:

- Special Provisions
- Construction Details

The submitted proposal shall include a unit price per completed light, for each of the next three years. All work shown on the LaGrange Road Seasonal Lighting Improvements plan shall be completed in stages as directed by the Village and managed by the yearly budget constraints. All work is to be completed by September 1 of the calendar year approved.

The form of proposal included with this RFP in Section II must be completed in full and signed by an officer with authority to execute contracts. All documents in Section II must be completed and submitted with the proposal.

Qualifications

Describe the experience of the firm and your involvement in projects of similar size and scope. Include the names of at least three (3) references and provide address and telephone information for each reference. The vendors grant the Village permission to contact said references and ask questions regarding prior work performance.

Operating history - Provide background information on your firm, including, but not limited to, the age of the business, the number of employees and pertinent financial data that will permit the Village to determine the capability of the vendor to meet all contractual requirements.

Qualifications - List the abilities, qualifications, licenses and experience of the persons who would be assigned to the engagement and their experience on similar contracts.

The contract, if awarded, may not be transferred or assigned by the Proposer.

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GENERAL PROVISIONS

Contract

The successful proposer will be required to enter into a standard form contract, subject to modifications (see Section III), with the Village of Orland Park and to submit all necessary insurance certificates within ten (10) business days of receiving notice that it has been awarded the contract (hereinafter referred to as the "Contract"). The contract(s) will be modified to incorporate the terms of this RFP and any pertinent documents included with the selected contractors accepted and approved proposal. The Village reserves the right to terminate the relationship with the successful proposer if the required documents are not submitted to and approved by the Village within ten (10) business days of receiving notice of the award of the contract. **The proposer shall also include a copy of their standard contract terms and conditions for review of the Village with the RFP or they will not be considered or utilized in the contract process.**

Should the Contractor neglect, refuse, or fail to complete the work under the contract in accordance with the Village's Requirements, the Contractor may be liable for consequential damages resulting directly from their negligent acts.

Length of Contract

The term of the small construction/installation contract herein granted shall be three (3) years commencing on the date of contract signing, with the option to renew the contract for three (3) additional one-year terms, unless either party, at its sole option, shall have given the other party at least thirty (30) days prior written notice of its intent not to extend the contract.

Proposal Price - The submitted proposal price shall include all permits, insurance, goods/materials/equipment, plant facilities, work and expense necessary to perform the work in accordance with the Specifications included in this request for proposal. The submitted proposal price shall not include any amount for sales or use taxes, or any other tax from which the Village is exempt.

Incurred Costs

The Village of Orland Park will not be liable in any way for any costs incurred by the respondents in replying to this RFP.

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Confidentiality

After award of the contract, all responses, documents, and materials submitted by the proposer pertaining to this RFP will be considered public information and will be made available for inspection, unless otherwise determined by the Village Manager. All data, documentation and innovations developed as a result of these contractual services shall become the property of the Village of Orland Park. Based upon the public nature of these RFP's, a proposer must inform the Village, in writing, of the exact materials in the offer which it claims are exempt from disclosure pursuant to the Illinois Freedom of Information Act.

Assignment

Successful proposer shall not assign the work of this Project without the prior written approval of the Village.

Compliance with Laws

The proposer shall at all times observe and comply with all laws, ordinances and regulations of the federal, state, local and Village governments, which may in any manner affect the preparation of proposals or the performance of the Contract.

Proposer shall make all necessary applications for a federal employer identification number, state sales tax number and a payroll tax number; and file all tax returns as required by law.

Proposer hereby agrees that it will comply with all requirements of the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq., including the provision dealing with sexual harassment and that if awarded the Contract will not engage in any prohibited form of discrimination in employment as defined in that Act and will require that its subcontractors agree to the same restrictions. The contractor shall maintain, and require that its subcontractors maintain, policies of equal employment opportunity which shall prohibit discrimination against any employee or applicant for employment on the basis of race, religion, color, sex, national origin, ancestry, citizenship status, age, marital status, physical or mental disability unrelated to the individual's ability to perform the essential functions of the job, association with a person with a disability, or unfavorable discharge from military service. Contractors and all subcontractors shall comply with all requirements of the Act and of the Rules of the Illinois Department of Human Rights with regard to posting information on employees' rights under the Act. Contractors and all subcontractors shall place appropriate statements identifying their companies as equal opportunity employers in all advertisements for workers to be employed in work to be performed.

Not less than the Prevailing Rate of Wages as found by the Village of Orland Park or the Department of Labor shall be paid to laborers, workmen, and mechanics performing work

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under the Contract. If awarded the Contract, contractor must comply with all provisions of the Illinois Prevailing Wage Act, including, but not limited to, providing certified payroll records to the Village Clerk. Contractor and subcontractors shall be required to comply with all applicable federal laws, state laws and regulations regarding minimum wages, limit on payment to minors, minimum fair wage standards for minors, payment of wage due employees, and health and safety of employees. Contractor and subcontractor are required to pay employees all rightful salaries, medical benefits, pension and social security benefits pursuant to applicable labor agreements and federal and state statutes and to further require withholdings and deposits therefore.

Any contractor doing work in the Village must obtain a Contractor's license from the Village of Orland's Building Department, as may be required by Village code.

Insurance Requirements

Proposer shall produce and maintain for the term of the contract, and any renewals or extensions thereof, the various insurance coverage requirements as stated on the enclosed Insurance Requirements Certification. Proposing proposers are required to sign said Insurance Requirements Certification as part of their proposal; by signing said Certification, Proposer is confirming its knowledge and acceptance of all Village of Orland Park insurance requirements.

Certified copies of policies evidencing required insurance coverage and all certificates of insurance in connection therewith shall be furnished to the Village at its request prior to commencement of the work. All such policies shall name the Village as an additional insured and shall provide that the policy may not be terminated or canceled without at least thirty (30) days advance written notice to the Village, or, except upon prior written approval of the Village, materially changed.

Indemnification

The Proposer shall indemnify and hold the Village, its trustees, officers, directors, agents and employees harmless from all liability, claims, liens, losses, or causes of action for property damage, personal injury or death, or other damages, judgments, costs, damages and expenses of whatsoever kind including reasonable attorneys' fees and costs, which may in any way be suffered by the Village or any of its trustees, officers, agents or employees, or which may accrue against or be charged to or recovered from the Village or its trustees, officers, agents or employees by reasons of or in consequence of the Concession granted, as aforesaid, or which arise out of or are founded upon the activities or operations of Proposer; or for on account of any act or omission by Proposer or by any employee, agent, or representative of Proposer's in or about the concession. Proposer

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shall defend all such claims in the name of the Village and shall pay for all reasonable attorney's fees and expenses of the Village incurred as a result thereof.

PROPOSAL SUBMISSION REQUIREMENTS

Proposer must submit two (2) complete, signed and attested copies of the proposal, one (1) of which is a complete, bound copy of the proposal and one (1) of which is a complete, identical signed unbound copy of the proposal and shall have provided all requested information, and submitted all appropriate forms, narratives, certificates, affidavits and addendum acknowledgements in each copy in order to be considered responsive. Both copies shall contain forms with original signatures.

Once submitted, no proposal may be withdrawn without the Village's consent, but it may be superseded by a subsequent timely proposal. Any proposal received after the time and date specified for opening, or any postponement thereof, will not be considered.

Each proposer is responsible for reading the RFP documents and determining that the Specifications describe the work to be performed in sufficient detail. Failure of a proposer to do so shall not relieve the proposer of any obligation with respect to said proposal. After proposals have been opened, no proposer shall assert that there was a misunderstanding concerning the nature of the work to be done and no such claim shall relieve a proposer from its obligation to perform. All proposals must be made only on the forms provided by the Village and must be made in accordance with this Request for Proposal all of which are on file and may be obtained for examination in the Village of Orland Park Clerk's Office 14700 S. Ravinia Ave. Orland Park, IL 60462 and are made part of this notice as though fully set forth herein.

Certifications

All certifications and forms in Section II must be completed and submitted with the proposal.

Narratives

All Narratives described on page 5 MUST be included with the proposal.

Insurance

Contractor shall purchase and maintain, at all times during the performance of the work under this Contract, insurance coverage, including Worker's Compensation, Automobile Liability, Comprehensive General Liability and Excess Liability, in the amounts set forth in the Village's Insurance Requirements attached in Section II. Proposers must sign and submit with the proposal, the Insurance Requirements page, as recognition of the

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insurance coverage and amounts (hereinafter referred to as "coverage(s)") that will be required to be in place before the commencement of any work by the successful proposer.

Please submit with the proposal, a current policy Specimen Certificate of Insurance showing the insurance coverage the proposer currently has in force.

Execution of the Contract by the Village will be contingent upon provision of the required insurance certificates to be provided by the contractor, sub-contractor and installers. A "Notice to Proceed" will not be issued and work may not commence until the required Certificates of Insurance are submitted to the Village.

Performance Bond

A Payment and Performance Bond, in the amount of fifty percent (50%) of the contract price, with a corporation surety satisfactory to the Village, will be required to assure performance of the Contract. Any attorney-in-fact who signs any bond must attach to each bond an effective copy of his power of attorney, the date of the bond specifically including such date within the authority conferred thereby.

Payment and Performance Bonds must be provided by a company listed in Federal Register Circular 570, latest revision, Surety Companies Acceptable on Federal Bonds, and a Financial Rating of V or better as published by Best's Key Rating Guide, latest edition. Additionally, the bonding firm must be registered to do business in Illinois by the State of Illinois Department of Insurance.

In case of failure of the bidder to timely provide the Payment and Performance Bonds and Certificate of Insurance, the Village may at its option, declare the bidder in default of the Contract, in which case the bid deposit accompanying the bid shall be forfeited to, and shall become the property of the Village. The Village may elect either to accept the next lowest responsible bid, or re-advertise for new bids and take such other actions as are provided for under the default termination provisions of the Contract.

Execution of the Contract by the Village will be contingent upon provision of the required bonds and insurance certificates. A "Notice to Proceed" will not be issued and work may not commence until required payment and performance bonds are in place.

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EVALUATION OF PROPOSALS

The Village of Orland Park will evaluate proposals based on prices, vendor's qualifications, and additional factors deemed relevant. The Village of Orland Park retains the right to refuse any and all proposals.

Negotiations

The Village of Orland Park reserves the right to negotiate specifications, terms and conditions which may be necessary or appropriate to the accomplishment of the purpose of this RFP. The Village may require the entire proposal be made an integral part of the resulting contract. This implies that all responses, supplemental, and other submissions provided by the vendor during discussions or negotiations will be held by the Village of Orland Park as contractually binding on the successful vendor.

Award

Award of the contract is subject to Village of Orland Park Board approval. The Village award will be made within sixty (60) days after the date of the proposal opening, or any mutually agreed extension thereof.

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PROPOSAL SUBMITTAL CHECKLIST

In order to be responsive, the proposer must submit all of the following items:

- Proposal Envelope - Addressed to the Village of Orland Park, Village Clerk's Office, 14700 S. Ravinia Ave., Orland Park, Illinois 60462 and labeled: **Village of Orland Park – LaGrange Road Seasonal Lighting Improvements - RFP**, in the lower left hand corner.
- Proposal - Proposer must submit one (1) complete, signed, and attested bound copy of the proposal and one (1) complete, identical, unbound copy of the proposal and shall have provided all requested information, and submitted all appropriate forms, certificates and affidavits and addendum acknowledgements in each copy in order to be considered responsive. Both copies shall have forms with original signatures.
- Information and narratives as requested in the **Requirements of Proposal** section of the RFP, including a sample contract from your company if you intend to submit one for the Village's consideration.
- All forms completed from Section II:
 - Proposal Summary Sheet
 - Business Organization
 - Certificate of Eligibility to Enter into Contracts
 - Equal Employment Opportunity
 - Certification of Compliance With the Illinois Prevailing Wage Act
 - Contractor's Certification Sexual Harassment, Tax & Substance Abuse
 - Apprenticeship and Training Program Certification
 - References
 - Insurance Requirements

II - REQUIRED PROPOSAL SUBMISSION DOCUMENTS

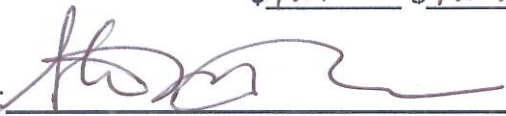
PROPOSAL SUMMARY SHEET

LaGrange Road Seasonal Lighting Improvements

IN WITNESS WHEREOF, the parties hereto have executed this proposal as of date shown below.

Organization Name: The Edward Electric Co.
 Street Address: Po Box 665
 City, State, Zip: Hillside IL 60162
 Contact Name: Steven Passarelli
 Phone: 630 833 0999 Fax: 630 279 6134
 E-Mail address: _____
 FEIN#: 36-4456184

Description	Unit	2008 Unit Price	2009 Unit Price	2010 Unit Price
Breakaway Device, Transformer Base, Complete in Place	EA.	\$ <u>469⁵⁰</u>	\$ <u>478⁴⁴</u>	\$ <u>502³⁶</u>
Step Down Transformer and Wiring, Complete in Place	EA.	\$ <u>438⁵⁰</u>	\$ <u>451⁶⁶</u>	\$ <u>469⁷²</u>
Pole Mounted Receptacle, Complete In Place	EA.	\$ <u>338⁵⁰</u>	\$ <u>352⁰⁴</u>	\$ <u>366¹²</u>
Total Proposal Price per Light:		\$ <u>1241⁵⁰</u>	\$ <u>1282¹⁴</u>	\$ <u>1338²⁰</u> <u>1338²⁰</u>

Signature of Authorized Signee: 
 Title: Vice President
 Date: 4/9/08

ACCEPTANCE: This proposal is valid for 60 calendar days from the date of submittal.
 (Note: At least 60 days should be allowed for evaluation and approval)

BUSINESS ORGANIZATION:

_____ Sole Proprietor: An individual whose signature is affixed to this proposal.

_____ Partnership: Attach sheet and state full names, titles and address of all responsible principals and/or partners. Provide percent of ownership and a copy of partnership agreement.

Corporation: State of incorporation: 1922
Provide a disclosure of all officers and principals by name and business address, date of incorporation and indicate if the corporation is authorized to do business in Illinois.

In submitting this proposal, it is understood that the Village of Orland Park reserves the right to reject any or all proposals, to accept an alternate proposal, and to waive any informalities in any proposal.

In compliance with your Request for Proposals, and subject to all conditions thereof, the undersigned offers and agrees, if this proposal is accepted, to furnish the services as outlined.

The Edward Electric Co (Corporate Seal)
Business Name

 Steven Passarelli
Signature Print or type name

Vice President 4/7/08
Title Date

**CERTIFICATION OF ELIGIBILITY
TO ENTER INTO PUBLIC CONTRACTS**


IMPORTANT: THIS CERTIFICATION MUST BE EXECUTED.

I, Steven Passacelli, being first duly sworn certify
and say that I am Vice - President
(insert "sole owner," "partner," "president," or other proper title)
of The Edward Electric Company, the Prime
Contractor submitting this proposal, and that the Prime Contractor is not barred from
contracting with any unit of state or local government as a result of a violation of either Section
33E-3, or 33E-4 of the Illinois Criminal Code, or of any similar offense of "bid-rigging" or "bid-
rotating" of any state or of the United States.



Signature of Person Making Certification

Subscribed and Sworn To
Before Me This 8th Day
of April, 2008.



Notary Public



EQUAL EMPLOYMENT OPPORTUNITY

Section I. This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, et seq.

Section II. In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Right Act, or the Rules and Regulations for Public Contracts of the Department of Human Rights (hereinafter referred to as the Department) the Contractor may be declared non-responsible and therefore ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this agreement may be canceled or avoided in whole or in part, and such other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

During the performance of this Agreement, the Contractor agrees:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin or ancestry; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this Agreement, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, marital status, national origin or ancestry, age, or physical or mental handicap unrelated to ability, or an unfavorable discharge from military service.

D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations for Public Contract.

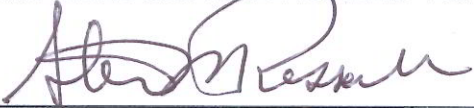
E. That it will submit reports as required by the Department's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts.

F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts.

G. That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Agreement obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Vendor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Vendor will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

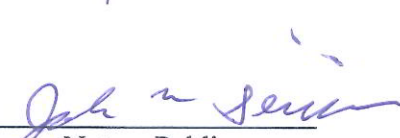
Section III. For the purposes of subsection G of Section II, "subcontract" means any agreement, arrangement or understanding, written or otherwise, between the Vendor and any person under which any portion of the Vendor's obligations under one or more public contracts is performed, undertaken or assumed; the term "subcontract", however, shall not include any agreement, arrangement or understanding in which the parties stand in the relationship of an employer and an employee, or between a Vendor or other organization and its customers.

ACKNOWLEDGED AND AGREED TO:

BY: 

DATE: 4/8/08

Subscribed and Sworn to
Before me this 8th
Day of April, 2008


Notary Public



**CERTIFICATION OF COMPLIANCE WITH THE
ILLINOIS PREVAILING WAGE ACT
(820 ILCS 130/0.01, et seq.)**

It is hereby stipulated and certified to the Village of Orland Park, that the undersigned Contractor shall pay not less than the prevailing hourly rate of wages, the generally prevailing rate of hourly wages for legal holiday and overtime work, and the prevailing hourly rate for welfare and other benefits as determined by the Illinois Department of Labor and as set forth in the schedule of prevailing wages for this contract to all laborers, workers and mechanics performing work under this contract. The undersigned Contractor further stipulates and certifies that he/she/it has maintained a satisfactory record of Prevailing Wage Act compliance with no significant Prevailing Wage Act violations for the past three (3) years. In accordance with Public Act 94-0515, the Contractor will submit to the Village certified payroll records (to include for every worker employed on the project the name, address, telephone number, social security number, job classification, hourly wages paid in each pay period, number of hours worked each day and starting and ending time of work each day) on a monthly basis, along with a statement affirming that such records are true and accurate, that the wages paid to each worker are not less than the required prevailing rate and that the Contractor is aware that knowingly filing false records is a Class B Misdemeanor.

Contractor:

By: _____

(Authorized Officer)

Subscribed and Sworn to
before me this 8th day
of April, 2008



John W. Seifried
Notary Public

**VILLAGE OF ORLAND PARK
CONTRACTOR'S CERTIFICATION
SEXUAL HARASSMENT, TAX & SUBSTANCE ABUSE**

Steven Passarelli, having been first duly sworn deposes and states as follows:
(Officer or Owner of Company)

The Edward Electric Co, having submitted a proposal for:
(Name of Company)

Seasonal Lighting RFP
(Project)

to the Village of Orland Park, Illinois, hereby certifies that the undersigned Contractor:

1. has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105(A)(4).
2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if:
 - a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the approved Revenue Act; or
 - b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.
3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382 and that
All employee Drivers is/are currently participating
(Name of employee/driver or "all employee drivers")
in a drug and alcohol testing program pursuant to the aforementioned rules.

4A. has in place a written program which meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635), and has provided a written copy thereof to the Village of Orland Park; or

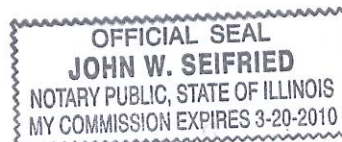
4B. has in place a collective bargaining agreement which deals with the subject matter of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635).

(Check either 4A or 4B, depending upon which certification is correct.)

By: Steven Passarelli
Officer or Owner of Company named above

Subscribed and sworn to
Before me this 8th
day of April, 2008.

John W. Seifried
Notary Public



APPRENTICESHIP AND TRAINING PROGRAM CERTIFICATION

I, Steven Passarelli, having been first duly sworn depose
and state as follows:

I, Steven Passarelli, am the duly authorized
agent for Edward Electric Co, which has
submitted a bid to the Village of Orland Park for

La Grange Rd Lighting and I hereby certify
(Name of Project)

that The Edward Electric Co
(Name of Company)

participates in apprenticeship and training programs approved and registered with
the United States Department of Labor Bureau of Apprenticeship and Training.

By: [Signature]
Title: V.P.

Subscribed and Sworn to
Before me this 8th
day of April, 2008

[Signature]
Notary Public



REFERENCES

(Please Print or Type)

ORGANIZATION Village of Orland Hills
ADDRESS _____
CITY, STATE, ZIP _____
PHONE NUMBER 708 349 6666
CONTACT PERSON John Daly
DATE OF PROJECT on going (maintenance contract)

ORGANIZATION City of Country Club Hills
ADDRESS _____
CITY, STATE, ZIP _____
PHONE NUMBER DAN Barr
CONTACT PERSON 708 798 3940
DATE OF PROJECT ON going (maintenance contract)

ORGANIZATION Village of Addison
ADDRESS _____
CITY, STATE, ZIP _____
PHONE NUMBER 630 620 2526
CONTACT PERSON Michael Buell
DATE OF PROJECT ON going work (on call)

Proposer's Name & Title: Steven Passarella, V.P.
Signature and Date: [Signature] 4/7/08

INSURANCE REQUIREMENTS

Please submit a policy Specimen Certificate of Insurance showing proposer's current coverage's

WORKERS COMPENSATION & EMPLOYER LIABILITY

\$500,000 – Each Accident, \$500,000 – Policy Limit

\$500,000 – Each Employee

Waiver of Subrogation in favor of the Village of Orland Park

AUTOMOBILE LIABILITY

\$1,000,000 – Combined Single Limit

GENERAL LIABILITY (occurrence basis)

\$1,000,000 – Each Occurrence \$2,000,000 – General Aggregate Limit

\$1,000,000 – Personal & Advertising Injury

\$2,000,000 – Products/Completed Operations Aggregate

Waiver of Subrogation in favor of the Village of Orland Park

EXCESS LIABILITY (Umbrella-Follow Form Policy)

\$2,000,000 – Each Occurrence \$2,000,000 – Aggregate

EXCESS MUST COVER: General Liability, Automobile Liability, Workers Compensation

Any insurance policies providing the coverage required of the Contractor shall be specifically endorsed to identify "The Village of Orland Park, and their respective officers, trustees, directors, employees and agents as Additional Insureds on a primary/non-contributory basis with respect to all claims arising out of operations by or on behalf of the named insured." If the named insureds have other applicable insurance coverage, that coverage shall be deemed to be on an excess or contingent basis. The policies shall also contain a "Waiver of Subrogation in favor of the Additional Insureds in regards to General Liability and Workers Compensation coverage's." The certificate of insurance shall also state this information on its face. Certificates of insurance must state that the insurer shall provide the Village with thirty (30) days prior written notice of any change in, or cancellation of required insurance policies. The words "endeavor to" and " , but failure to do so shall impose no obligation or liability of any kind upon the insurer, its agents or representatives" must be stricken from all Certificates of Insurance submitted to the Village. Any insurance company providing coverage must hold an A VII rating according to Best's Key Rating Guide. Permitting the contractor, or any subcontractor, to proceed with any work prior to our receipt of the foregoing certificate and endorsement however, shall not be a waiver of the contractor's obligation to provide all of the above insurance.

The proposer agrees that if they are the selected contractor, within ten days after the date of notice of the award of the contract and prior to the commencement of any work, you will furnish evidence of Insurance coverage providing for at minimum the coverage and limits described above directly to the Village of Orland Park, Denise Domalewski, Contract Administrator, 14700 S. Ravinia Avenue, Orland Park, IL 60462. Failure to provide this evidence in the time frame specified and prior to beginning of work may result in the termination of the Village's relationship with the selected proposer and the proposal will be awarded to the next highest rated proposer or result in creation of a new request for proposals.

ACCEPTED & AGREED THIS 7 DAY OF April, 2008



Authorized to execute agreements for:

Signature

Steven Passarelli

Edward Electric

Printed Name & Title

Name of Company

III – ADDITIONAL INFORMATION

SAMPLE CONTRACT
VILLAGE OF ORLAND PARK
(Contract for Small Construction or Installation Project)

This Contract is made this ____ day of _____, 200__ by and between the Village of Orland Park (hereinafter referred to as the "VILLAGE") and _____ (hereinafter referred to as the "CONTRACTOR").

WITNESSETH

In consideration of the promises and covenants made herein by the VILLAGE and the CONTRACTOR (hereinafter referred to collectively as the "PARTIES"), the PARTIES agree as follows:

SECTION 1: THE CONTRACT DOCUMENTS: This Contract shall include the following documents (hereinafter referred to as the "CONTRACT DOCUMENTS") however this Contract takes precedence and controls over any contrary provision in any of the CONTRACT DOCUMENTS. The Contract, including the CONTRACT DOCUMENTS, expresses the entire agreement between the PARTIES and where it modifies, adds to or deletes provisions in other CONTRACT DOCUMENTS, the Contract's provisions shall prevail. Provisions in the CONTRACT DOCUMENTS unmodified by this Contract shall be in full force and effect in their unaltered condition.

- The Contract
- The Terms and General Conditions pertaining to the Contract
- The VILLAGE'S Project Manual for the Work as described in Section 2 hereunder
 - o The Request for Proposals
 - o The Instructions to Proposers
- The Proposal as it is responsive to the VILLAGE's RFP requirements
- All Certifications required by the VILLAGE
- Certificates of Insurance
- Performance and Payment Bonds required by the VILLAGE

SECTION 2: SCOPE OF THE WORK AND PAYMENT: The CONTRACTOR agrees to provide labor, equipment and materials necessary to perform the following:

(hereinafter referred to as the "WORK") as described in the VILLAGE'S Project Manual (RFP documents) and the VILLAGE agrees to pay the CONTRACTOR pursuant to the provisions of the Local Government Prompt Payment Act (50 ILCS 505/1 *et seq.*) the following amounts for the WORK:

Unit Prices (if any):

_____	_____
_____	_____
_____	_____

Alternates chosen:

TOTAL: _____ and No/100 (\$ _____) Dollars.
 (hereinafter referred to as the "CONTRACT SUM.") The CONTRACT SUM shall not be increased without the express written consent of the VILLAGE.

SECTION 3: ASSIGNMENT: CONTRACTOR shall not assign the duties and obligations involved in the performance of the WORK except to the list of Subcontractors approved by the Village, which approval shall not be unreasonably withheld.

SECTION 4: TERM OF THE CONTRACT: The CONTRACTOR shall commence the WORK of this Contract upon receipt of a Notice to Proceed and shall complete performance of the WORK of this Contract by _____ (hereinafter referred to as the "CONTRACT TIME.") Failure to meet the CONTRACT TIME shall be considered an occasion of default under the CONTRACT DOCUMENTS. The CONTRACT TIME shall not be increased without the express written consent of the VILLAGE. Final payment shall be made by the VILLAGE upon inspection of the WORK, completion of any punch list items and after receipt of final release and waiver of liens in accordance with the requirements of the CONTRACT DOCUMENTS. This Contract may be terminated by the VILLAGE for convenience or by either of the PARTIES for default in the performance of the duties of the PARTIES as described in the CONTRACT DOCUMENTS upon thirty (30) day's written notice provided as required herein.

SECTION 5: INDEMNIFICATION AND INSURANCE: The CONTRACTOR shall indemnify and hold harmless the VILLAGE, its trustees, officers, directors, agents, employees and representatives and assigns, from lawsuits, actions, costs (including attorneys' fees), claims or liability of any character, incurred due to the alleged negligence of the CONTRACTOR, brought because of any injuries or damages received or sustained by any person, persons or property on account of any act or omission, neglect or misconduct of said CONTRACTOR, its officers, agents and/or employees arising out of, or in performance of any of the provisions of the CONTRACT DOCUMENTS, including any claims or amounts recovered for any infringements of patent, trademark or copyright; or from any claims or amounts arising or recovered under the "Worker's Compensation Act" or any other law, ordinance, order or decree. In connection with any such claims, lawsuits, actions or liabilities, the VILLAGE, its trustees, officers, directors, agents, employees, representatives and their assigns shall have the right to defense counsel of their choice. The CONTRACTOR shall be solely liable for all costs of such defense and for all expenses, fees, judgments, settlements and all other costs arising out of such claims, lawsuits, actions or liabilities.

The Contractor shall not make any settlement or compromise of a lawsuit or claim, or fail to pursue any available avenue of appeal of any adverse judgment, without the approval of the Village and any other indemnified party. The Village or any other indemnified party, in its or their sole discretion,

shall have the option of being represented by its or their own counsel. If this option is exercised, then the Contractor shall promptly reimburse the Village or other indemnified party, upon written demand, for any expenses, including but not limited to court costs, reasonable attorneys' and witnesses' fees and other expenses of litigation incurred by the Village or other indemnified party in connection therewith.

Execution of this Contract by the VILLAGE is contingent upon receipt of Insurance Certificates provided by the CONTRACTOR in compliance with the CONTRACT DOCUMENTS.

SECTION 6: COMPLIANCE WITH LAWS: CONTRACTOR agrees to comply with all federal, state and local laws, ordinances, statutes, rules and regulations including but not limited to all applicable provisions of the Illinois Human Rights Act (775 ILCS 5/1-101 *et seq.*) and the Illinois Prevailing Wage Act (820 ILCS 130/1 *et seq.*)

SECTION 7: NOTICE: Where notice is required by the CONTRACT DOCUMENTS, it shall be considered received if it is 1) delivered in person, 2) sent by registered United States mail, return receipt requested, 3) delivered by messenger or mail service with a signed receipt, 4) sent by facsimile with an acknowledgment of receipt, or 4) by e-mail with an acknowledgment of receipt only if the PARTIES agree separately to use e-mail for providing notice. Notice shall be sent to the following:

To the VILLAGE:
Denise Domalewski, Contract Administrator
Village of Orland Park
14700 South Ravinia Avenue
Orland Park, Illinois 60462
Telephone: 708-403-6173
Facsimile: 708-403-9212
e-mail: ddomalewski@orland-park.il.us

To the CONTRACTOR:

Telephone:
Facsimile:
e-mail:

or to such other persons or to such other addresses as may be provided by one party to the other party under the requirements of this Section.

SECTION 8: LAW AND VENUE: The law of the State of Illinois shall apply to this Agreement and venue for legal disputes shall be Cook County, Illinois.

SECTION 9: MODIFICATION: This Contract may be modified only by a written amendment signed by both PARTIES.

SECTION 10: COUNTERPARTS: This Contract may be executed in two (2) or more counterparts, each of which taken together, shall constitute one and the same instrument.

This Contract shall become effective on the date first shown herein and upon execution by duly authorized agents of the PARTIES.

FOR: THE VILLAGE

FOR: THE CONTRACTOR

By: _____

By: _____

Print name: _____

Print name: _____

Its: Village Manager

Its: _____

Date: _____

Date: _____

FACSIMILE SIGNATURES SHALL SUFFICE AS ORIGINAL

Initial here if faxing

VILLAGE OF ORLAND PARK

Terms and General Conditions for the Contract between THE VILLAGE OF ORLAND PARK (the "VILLAGE") and _____ (the "CONTRACTOR") for _____ (the "WORK") dated _____, 200__ (the "CONTRACT").

ARTICLE 1: DUTIES OF THE PARTIES

1.1 VILLAGE'S RIGHTS AND DUTIES

- 1.1.1 Upon request of the Contractor the Village shall furnish, with reasonable promptness, information necessary for the performance of the Work of the Contract including, where needed, land surveys showing boundaries, topography, the location of utilities and a legal description of the site where the Work is to be performed.
- 1.1.2 The Village shall furnish access to its buildings and the site of the Work as is necessary for the performance of the Work and shall provide, at its own expense, as needed, temporary or permanent easements, zoning and other requirements including removal of encumbrances on the land needed to permit performance of the Work.
- 1.1.3 The Village shall have the right to stop the Work by a written order should the Contractor fail to correct Work not in accordance with the Contract Documents which will remain in effect until the Work is corrected without giving rise to any duty on the part of the Village to stop the Work for the benefit of the Contractor or any other entity.
- 1.1.4 The Village may, if the Contractor does not correct Work to make it conform to the Contract Documents, or cure a default, with reasonable promptness after receiving a written notice from the Village, correct the default itself and deduct the reasonable cost of the correction or cure from the amounts owed to the Contractor.

1.2 CONTRACTOR'S RIGHTS AND DUTIES

- 1.2.1 The Contractor shall perform the Work in accordance with the Contract Documents.
- 1.2.2 The Contractor shall examine existing conditions and take field measurements to facilitate the performance of the Work and shall report to the Village or, where applicable, to the Architect, any errors, inconsistencies or omissions discovered. Contractor is not required to determine whether the Contract Documents conform to applicable local, state or federal statutes, ordinances, codes, rules or regulations, but where such nonconformity is found, Contractor shall report such to the Village, or where applicable, to the Architect.
- 1.2.3 Contractor shall pay for all material and labor necessary for the performance of the Work and, unless agreed otherwise with the Village in a separate written document, for all utilities required such as light, heat and water.

- 1.2.4 Contractor warrants that the Work shall contain material and equipment of good quality that is new and that the Work and workmanship shall be free from defects for one (1) year after final payment or the length of time guaranteed under the warranty provided by the Contractor, whichever is greater. Where there are deficiencies, Contractor agrees to correct them with reasonable promptness after receiving notice of said deficiencies from the Village. All manufacturers' guarantees and warranties shall be delivered to the Village prior to the issuance of final payment.
- 1.2.5 Contractor shall work expeditiously to complete the Work by the agreed upon date and, where necessary to accomplish that goal, shall work overtime without additional compensation.
- 1.2.6 Contractor shall seek, obtain and pay for all required building permits, licenses, and governmental inspections of the Work.
- 1.2.7 Contractor shall comply with all local, state and federal statutes, ordinances, codes, rules, regulations and all case law pertaining to the performance of the Work, including but not limited to all of the applicable provisions of the Illinois Prevailing Wage Act (820 ILCS 130/1 *et seq.*) and the Illinois Human Rights Act (775 ILCS 5/1-01 *et seq.*) Neither the Contractor nor its Subcontractors shall engage in any prohibited form of discrimination in employment as defined in the Illinois Human Rights Act. The Contractor shall maintain, and require that its Subcontractors maintain, policies of equal employment opportunity which shall prohibit discrimination against any employee or applicant for employment on the basis of race, religion, color, sex, national origin, ancestry, citizenship status, age, marital status, physical or mental disability unrelated to the individual's ability to perform the essential functions of the job, association with a person with a disability, or unfavorable discharge from military service. Contractors and all Subcontractors shall comply with all requirements of the Act including maintaining a sexual harassment policy and of the Rules of the Illinois Department of Human Rights with regard to posting information on employees' rights under the Act. Contractors and all Subcontractors shall place appropriate statements identifying their companies as equal opportunity employers in all advertisements for workers to be employed in work to be performed under the Contract.
- 1.2.8 Contractor will not be relieved of any obligation to the Village due to failure to examine or receive documents, visit or become familiar with conditions or from facts of which Contractor should have been aware and Village, as existing law may allow, shall reject all claims related thereto.

ARTICLE 2: CONTRACT DOCUMENTS

2.1 The Contract Documents consist of the following items:

- .1 Agreement between the parties
- .2 Terms and General Conditions to the Agreement
- .3 Special Conditions to the Agreement, if any
- .4 The Project Manual dated _____ which includes
 - Instructions to the Proposers
 - Request for Proposals
 - Specifications and Drawings, if any
- .5 Accepted Proposal as it conforms to the RFP requirements
- .6 Addenda, if any
- .7 Required Certificates of Insurance
- .8 Required Certifications
- .9 Performance and Payment Bonds

ARTICLE 3: PAYMENTS AND COMPLETION

3.1 The Village requires for each Application for Payment, a properly completed Contractor's Affidavit setting out, under oath, the name, address and amount due or to become due, of each subcontractor, vendor, supplier or other appropriate party included in that payment. For every party listed the Contractor shall also provide a full or partial waiver of lien, as appropriate, before a payment will be made to the Contractor. The Contractor's partial or final waiver of lien must be included. Payment certificates shall not be issued by Architect or payment shall not be made by the Village without such mechanics' lien waivers and contractors' sworn statements unless they are conditioned upon receipt of such waivers and statements.

3.2 No certificate shall be issued in favor of the Contractor and no payment will be made by the Village for material not actually installed and built into the Work without written authorization for the Village.

3.3 Upon satisfaction of the terms and conditions of the Contract, the Contractor agrees to provide the Village with a final release and waiver of all liens covering all of the Work performed under the Contract relative to the project prior to issuance of final payment. Said final waiver of lien shall identify and state that all Subcontractors have been paid in full and there are no contract balances outstanding and owed to any Subcontractor.

3.4 All payments shall be made to Contractor by Village pursuant to the provisions of the Local Government Prompt Payment Act (50 ILCS 505/1 *et seq.*)

ARTICLE 4: TAXES

4.1 The Village is a public body and is exempt from excise, sales and use taxes and will furnish Contractor with exemption numbers as required. Contractor shall not include any such taxes in its cost figures.

ARTICLE 5: INSPECTION OF MATERIALS

5.1 The Village shall have a right to inspect any materials or equipment to be used in carrying out this contract. The Contractor shall be responsible for the contracted quality and standards of all materials, equipment, components or completed work finished under this contract up to the time of final acceptance by the Village. Materials, equipment, components or completed work not complying therewith may be rejected by the Village and shall be removed and replaced by the Contractor at no cost to the Village.

ARTICLE 6: ASSIGNMENT

6.1 The Contractor's duties and obligations under the Contract shall not be assigned without the express written consent of the Village.

6.2 Work not performed by the Contractor with its own forces shall be performed by Subcontractors or Sub-subcontractors. The Contractor shall be responsible for management of the Subcontractors in the performance of their Work.

6.3 The Contractor shall not contract with anyone to whom the Village has a reasonable objection.

6.4 The Contractor shall prepare all Subcontracts and shall have full discretion to negotiate their terms, subject to the Village's reasonable requirements or objections as to form and content.

6.5 By appropriate agreement, written where legally required for validity, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities, including the responsibility for safety of the Subcontractor's Work, which the Contractor, by these Documents, assumes toward the Village. Each subcontract agreement shall preserve and protect the rights of the Village under the Contract Documents with respect to the work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and shall allow to the Subcontractor, unless specifically provided otherwise in the subcontract agreement, the benefit of all rights, remedies and redress against the Contractor that the Contractor, by the Contract Documents, has against the Village. Where appropriate, the Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. The Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the Contract Documents to which the Subcontractor will be bound, and, upon written request of the Subcontractor, identify to the Subcontractor terms and conditions of the proposed subcontract agreement which may be at variance with the Contract Documents. Subcontractors will similarly make copies of applicable portions of such documents available to their respective proposed Sub-subcontractors.

ARTICLE 7: GUARANTEES AND WARRANTIES

7.1 All guarantees and warranties required shall be furnished by the Contractor and shall be delivered to the Village before final voucher on the contract is issued.

7.2 Contractor shall supply the Village with “as-built” plans prior to the Village making the final payment.

ARTICLE 8: DEFAULT

8.1 If the Contractor fails to begin the work under this contract within the time specified, or fails to perform the Work with sufficient workmen, equipment or materials to insure the completion of said Work within the specified time, or shall perform the work in an unsatisfactory manner, or shall neglect or refuse to remove materials or perform anew such work as shall be rejected as defective or unsuitable by reason of defect in material or workmanship or by reason of noncompliance with the specifications, or shall discontinue the prosecution of the Work, or if the Contractor shall become insolvent or be declared bankrupt, or shall make an assignment for the benefit of creditors, or from any other cause whatsoever shall fail to carry on the Work in an acceptable manner, the Village shall give notice to the Contractor and his surety in writing specifying such failure, delay, neglect, refusal or default, and if the Contractor, within a period of ten (10) calendar days after such notice, shall not proceed in accordance therewith, then the Village shall have full power and authority to declare the forfeiture of this contract, and to forfeit the rights of the Contractor in this contract.

8.2 Upon declaration of Contractor’s default, the Village may, at his option, call upon the surety to complete the Work in accordance with the terms of this contract or may take over the Work, including any materials and equipment on the work site as may be suitable and acceptable to the Village and may complete the Work by or on its own force account, or may enter into a new contract for the completion of the Work, or may use such other methods as shall be required for the completion of the Work in an acceptable manner.

8.3 All costs and charges incurred by the Village, together with the cost of completing the work shall be deducted from any moneys due or which may become due on this contract. In case the expense so incurred by the Village shall be less than the sum which would have been payable under this contract if it had been completed by the Contractor and had not been forfeited by the Village, then the Contractor shall be entitled to receive the difference, and in case such expense shall exceed the sum which would have been payable under this contract, the Contractor and the surety shall be liable and shall pay to the Village the amount of such excess.

ARTICLE 9: DISPUTES AND VENUE

9.1 If an Architect or Engineer has contracted with the Village to administer the Contract between Village and Contractor, disputes shall be handled with the involvement of the Architect or Engineer according to the terms of the contract between the Village and the Architect or Engineer and any reference made herein to “Architect” shall be read as “Engineer” where applicable. In any other case, disputes concerning a question of fact under the contract shall be expressed in writing by the parties and, if within seven (7) days after receipt of such notice the parties have disposed of the dispute by agreement, the dispute, as it was expressed in writing by the parties, shall be subject to mediation

under terms agreed to by the parties. Pending final decision of a dispute hereunder, the parties shall proceed diligently with the performance of the contract.

9.2 Any legal action taken by either party shall be decided based upon the laws of the State of Illinois and venue for such disputes shall be Cook County, Illinois.

ARTICLE 10: CONTRACT TIME

10.1 Time is of the essence of the Contract. Village shall not grant, and Contractor shall not seek damages for delays; however, Village shall grant an increase in the Contract Time for delay not caused by Contractor, its Subcontractors or others for whose actions Contractor is liable.

ARTICLE 11: INSURANCE AND INDEMNIFICATION

11.1 Insurance Requirements

11.1.1 The successful proposer shall, within ten (10) days of said receipt of notice of award of the contract, furnish to the Village a certificate of insurance showing the Village, its trustees, officers, directors, agents, employees, representatives and assigns as additional insureds to the General Liability, Automobile liability and Umbrella/Excess Liability insurance policies by appropriate endorsement by Contractor's insurer and evidencing the coverages listed below. Such coverages shall be placed with a provider acceptable to the Village, which is licensed to do business in the State of Illinois, and that maintains a minimum A. M. Best rating of A VII. The insurance coverages afforded under the Contractor's General Liability, Automobile Liability and Umbrella/Excess Liability insurance policies shall be primary and non-contributory to any insurance carried independently by the Indemnitees. The policy(ies) shall contain a Waiver of Subrogation in favor of the Additional Insureds as it applies to General liability and Worker's Compensation. Each policy shall bear an endorsement precluding the cancellation, non-renewal, material modification or reduction of said policies without providing the Village at least thirty (30) days prior notice thereof in writing. All required insurance shall be maintained by the contractor in full force and effect during the life of the contract, and until such time as all work has been approved and accepted by the Village. This provision constitutes the Village's continuing demand for such certificates and endorsement(s) or true and correct copies thereof and the obligation to provide such insurance coverage shall be in full force and effect during the life of the contract. Failure of the Village to request such certificates and endorsements shall not relieve the Contractor of these obligations to provide insurance.

The amounts and types of insurance required are:

.1 Worker's Compensation: STATUTORY coverage for all persons whom the Contractor may employ directly or through subcontractors in carrying out the work under this contract. Such insurance shall hold the Village free and harmless of all personal injuries of all persons whom the Contractor may employ directly or through Subcontractors.

.2 Employers Liability: \$500,000 minimum liability.

.3 Comprehensive General Liability; including Bodily Injury and Property Damage.

\$1,000,000 Each Occurrence - Combined Single Limit
\$2,000,000 Aggregate - Completed Operations
\$2,000,000 Each Occurrence - Blanket Contractual Liability

.4 Comprehensive Automobile Liability, Owned, Non-owned and Hired:

\$1,000,000 for Combined Single Limit.

.5 Umbrella/Excess Liability:

\$2,000,000 Each Occurrence

11.1.2 Contractor shall cause each Subcontractor to maintain insurance of the type specified above. When requested by the Village, Contractor shall furnish copies of certificates of insurance evidencing coverage for each Subcontractor.

11.2 Indemnification

11.2.1 The CONTRACTOR shall indemnify and hold harmless the VILLAGE, its trustees, officers, directors, agents, employees and representatives and assigns, from lawsuits, actions, costs (including attorneys' fees), claims or liability of any character, incurred due to the alleged negligence of the CONTRACTOR, brought because of any injuries or damages received or sustained by any person, persons or property on account of any act or omission, neglect or misconduct of said CONTRACTOR, its officers, agents and/or employees arising out of, or in performance of any of the provisions of the CONTRACT DOCUMENTS, including any claims or amounts recovered for any infringements of patent, trademark or copyright; or from any claims or amounts arising or recovered under the "Worker's Compensation Act" or any other law, ordinance, order or decree. In connection with any such claims, lawsuits, actions or liabilities, the VILLAGE, its trustees, officers, directors, agents, employees, representatives and their assigns shall have the right to defense counsel of their choice. The CONTRACTOR shall be solely liable for all costs of such defense and for all expenses, fees, judgments, settlements and all other costs arising out of such claims, lawsuits, actions or liabilities.

11.2.2 The Contractor shall not make any settlement or compromise of a lawsuit or claim, or fail to pursue any available avenue of appeal of any adverse judgment, without the approval of the Village and any other indemnified party. The Village or any other indemnified party, in its or their sole discretion, shall have the option of being represented by its or their own counsel. If this option is exercised, then the Contractor shall promptly reimburse the Village or other indemnified party, upon written demand, for any expenses, including but not limited to court costs, reasonable attorneys' and witnesses' fees and other expenses of litigation incurred by the Village or other indemnified party in connection therewith.

ARTICLE 12: PERFORMANCE AND PAYMENT BONDS

12.1 The Contractor shall furnish Performance and Payment Bonds acceptable to the Village in the full amount of the Contract. Bonds shall be from a surety licensed to do business in Illinois and said surety shall have a minimum A.M. Best rating of A-V. Each Bond shall require a time period during which the Bond can be called limited only to the extent required by Illinois law.

ARTICLE 13: EXECUTION OF CONTRACT

13.1 Execution of the Contract between Village and Contractor is contingent upon receipt of required Certificates of Insurance, required signed certifications and required Performance and Payment Bonds.

ARTICLE 14: CHANGES IN THE WORK

14.1 All changes in the Work must be approved by the Village in a written document. Any change order or series of change orders that increase or decrease the Contract Sum by a total of \$10,000 or more or that increase or decrease the Contract Time by thirty (30) days or more must be accompanied by a written determination signed by the Village or its designee finding that the change was not reasonably foreseeable at the time the contract was signed, the change is germane to the Contract or the change is in the best interest of the Village. New Requests for Proposals must be issued by the Village as required by law for any change increasing the original Contract Sum by fifty percent (50%) or more.

ARTICLE 15: TERMINATION

15.1 The Village may, at any time, terminate the Contract for the Village's convenience and without cause upon written notice to the Contractor and payment for all Work directed to be performed prior to the effective date of termination along with reasonable overhead and profit.

Special Provision 1

BREAKAWAY DEVICE TRANSFORMER BASE

Description: This item shall consist of furnishing and installing a proposed breakaway transformer base to an existing light pole and reattaching that assembly to the existing concrete foundation.

The Contractor shall be responsible for verifying the existing bolt circle diameter of the light pole and concrete foundation prior to ordering transformer base.

Construction Requirements: This work shall include disassembling the existing light standard from the concrete foundation, installing a new transformer base as shown in the contract plans and re-erecting the new assembly onto the existing foundation. This work shall be completed in conjunction with the labor and materials covered in the Special Provisions of this contract; and, shall be performed in accordance with the IDOT Standard Specification for Road and Bridge Construction (latest edition) and the Village of Orland Park Land Development Code.

Basis of Payment: This work shall be paid for at the contract unit price each for BREAKAWAY DEVICE TRANSFORMER BASE, COMPLETE IN PLACE which shall be payment in full for all materials, equipment and labor needed to perform the work described herein or as directed by the owner.

Special Provision 2

STEP DOWN TRANSFORMER AND WIRING, COMPLETE IN PLACE

Description: This item shall consist of furnishing and installing a proposed 0.25 kVA 240V X 480V primary to 120V X 240V secondary, step down transformer in the proposed transformer base outlined above.

Construction Requirements: Installation of the proposed 0.25 kVA transformer shall include the removal of all existing splices/connections within the existing pole assembly and provide new splices/connections from the existing underground feeder cables to the existing electrical appurtenances within each pole. Connections shall be made in the light pole base (as shown on the plans) and shall include all new splices, connectors, fuse holders and fusing. Reconnections of the existing luminaire shall be made with new #10 XLP Type-USE wiring.

This work shall be coordinated in conjunction with the material and work specified within the Special Provisions covered in this contract; and shall be performed in accordance with the IDOT Standard Specification for Road and Bridge Construction (latest edition) and the Village of Orland Park Land Development Code.

Basis of Payment: This work shall be paid for at the contract unit price each for STEP DOWN TRANSFORMER AND WIRING, COMPLETE IN PLACE which shall be payment in full for all materials, equipment and labor needed to perform the work described herein or as directed by the owner.

Special Provision 3

POLE MOUNTED RECEPTACLE, COMPLETE IN PLACE

Description: This item shall consist of furnishing and installing a proposed 120V, 20A commercial grade pole mounted receptacle, in a die cast enclosure with a weatherproof cover rated for in-use, to an existing street light pole.

Construction Requirements: This work shall consist of removing the existing pole mounted receptacle, enclosure and pole wiring associated with the existing receptacle circuitry (where applicable).

Basis of Payment: This work shall be paid for at the contract unit price each for POLE MOUNTED RECEPTACLE, COMPLETE IN PLACE which shall be payment in full for all materials, equipment and labor needed to perform the work described herein or as directed by the owner.

ABV	ABOVE	DEGREE OF CURVE	INST	RR	T	TANGENT DISTANCE
A/C	ACCESS CONTROL	DEPRESSED CURVE	IDS	RRS	T. R.	TANGENT RUNOUT DISTANCE
AC	ACRE	DETECTOR	INV	RPS	TEL	TELEPHONE
ADJ	ADJUST	DIAMETER	IP	REF	TB	TELEPHONE BOX
AS	AERIAL SURVEYS	DISTRICT	IR	RFP	TP	TELEPHONE POLE
AGG	AGGREGATE	DOUBLE	JT	RCCP	TEMP	TEMPORARY
AH	AHEAD	DOWNSTREAM ELEVATION	Kg	REINF	TBM	TEMPORARY BENCH MARK
APT	APARTMENT	DRAINAGE FLOWLINE	Km	REM	TD	TILE DRAIN
ASPH	ASPHALT	DRAINAGE OR DRIVE	LS	RC	TBE	TO BE EXTENDED
AUX	AUXILIARY	DRAINAGE INLET OR DROP INLET	LN	REP	TBR	TO BE REMOVED
AGS	AUXILIARY GAS VALVE (SERVICE)	DRIVEWAY	LT	REST	TBS	TO BE SAVED
AVE	AVENUE	DCT	LP	RESURF	TWP	TOWNSHIP
AX	AXIS OF ROTATION	EACH	LGT	RET	TR	TOWNSHIP ROAD
BK	BACK	EASTBOUND	LF	RT	TS	TRAFFIC SIGNAL
B-B	BACK TO BACK	EDGE OF PAVEMENT	L	ROW	TSCB	TRAFFIC SIGNAL CONTROL BOX
BKPL	BACKPLATE	EDGE TO CENTERLINE	LC	RD	TSC	TRAFFIC SIGNALS CENTER
B	BARN	EDGE TO EDGE	LNG	RDWY	TRV5	TRANSVERSE
BARR	BARRICADE	ELEVATION	L SUM	RTE	TRV5	TRAVEL
BGN	BEGIN	ENTRANCE	MACH	SAN	TRN	TURN
BM	BENCHMARK	EXCAVATION	MB	SANS	TY	TYPE
BIND	BINDER	EXISTING	MH	SEC	TYP	TYPICAL
BIT	BITUMINOUS	EXPRESSWAY	MATL	SEED	T-A	T-A
BTM	BOTTOM	EXTERNAL DISTANCE OF	MED	SHAP	UNDGND	UNDERGROUND
BLVD	BOULEVARD	HORIZONTAL CURVE	METH	SH	USGS	U. S. GEOLOGICAL SURVEY
BRK	BRICK	OFFSET DISTANCE TO	M	SHLD	USEL	UPSTREAM ELEVATION
BBOX	BUFFALO BOX	VERTICAL CURVE	M	SHLD	USFL	UPSTREAM FLOWLINE
BLDG	BUILDING	FACE TO FACE	mm	SHLD	UTIL	UTILITY
CIP	CAST IRON PIPE	FEDERAL AID	mm DIA	SHLD	VBOX	VALVE BOX
CB	CATCH BASIN	FEDERAL AID INTERSTATE	MIX	SIG	VV	VALVE VAULT
C-C	CENTER TO CENTER	FEDERAL AID PRIMARY	MBH	SOD	VLT	VAULT
CL	CENTERLINE OR CLEARANCE	FEDERAL AID SECONDARY	MOD	SM	VEH	VEHICLE
CL-E	CENTERLINE TO EDGE	FENCE POST	MFT	SE	VP	VENT PIPE
CL-F	CENTERLINE TO FACE	FIRE ENTRANCE	N & BC	SPL	VERT	VERTICAL
CLS	CERTIFIED	FIRE HYDRANT	N & C	SO FT	VPC	VERTICAL CURVE
CERT	CHISELED	FLOW LINE	N & W	mm ²	VPI	VERTICAL POINT OF INTERSECTION
CHSLD	CITY STREET	FOUNDATION	NOAA	SO YD	VPT	VERTICAL POINT OF TANGENCY
CP	CLOSED	FRAME & GRATE	NC	STB	WM	WATER METER
CLSD	CLOSED LID	FRAME & GRATE	NB	STD	WM	WATER VALVE
CLTD	COAT OR COURT	FREWAY	NE	SBI	WM	WATER VALVE
CT	COMBINATION	GALLON	NW	SR	WM	WESTBOUND
COMB	COMBINATION	GALVANIZED	OLID	STA	WM	WESTBOUND WITH
C	COMMERCIAL BUILDING	GARAGE	PAT	SPBR	W	WILDFLOWERS
CE	CONCRETE	GAS METER	PVD	SS	W	WITHOUT
CONC	CONCRETE	GAS VALVE	PVMT	SS		
CONST	CONSTRUCT	GRANULAR	PM	STY		
CONTD	CONTINUED	CRATE	PED	ST		
CONT	CONTINUOUS	GRAVEL	PNT	STR		
COR	CORNER	GUTTER	PC	ST		
CORR	CORRUGATED	GUY POLE	PI	ST		
CMP	CORRUGATED METAL PIPE	GUY POLE	PRC	ST		
CNTY	COUNTY	HANDHOLE	PT	ST		
CH	COUNTY HIGHWAY	HATCHING	POT	ST		
CSE	COURSE	HEAD	PCC	ST		
XSECT	CROSS SECTION	HEADWALL	PP	ST		
m ³	CUBIC METER	HEAVY DUTY	PRM	ST		
mm ³	CUBIC MILLIMETER	HECTARE	PE	ST		
CULV	CULVERT	HIGHWAY	PR	ST		
C&G	CURB & GUTTER	HORIZ	P	ST		

DATE	REVISIONS
1-1-08	Updated abbreviations and symbols.
1-1-02	Updated abbreviations and symbols.

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 1 of 8)

STANDARD 000001-05

Illinois Department of Transportation
 PASSED January 1, 2008
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2008
 ENGINEER OF DESIGN AND ENVIRONMENT

ADJUSTMENT ITEMS	EX	PR	ADJ	C	F	R	REC	A	A	A	SP	AB	M	REL	[Hatched Box]
Structure To Be Adjusted															
Structure To Be Cleaned															
Structure To Be Filled															
Structure To Be Removed															
Structure To Be Reconstructed															
Frame and Grate To Be Adjusted															
Frame and Lid To Be Adjusted															
Domestic Service Box To Be Adjusted															
Valve Vault To Be Adjusted															
Special Adjustment															
Item To Be Abandoned															
Item To Be Moved															
Item To Be Relocated															
Pavement Removal and Replacement															

ALIGNMENT ITEMS	EX	PR
Baseline		
Centerline		
Centerline Break Circle		
Baseline Symbol		
Centerline Symbol		
PI Indicator		
Point Indicator		
Horiz Curve Data		

P.I. STA=
 CURVE
 Δ= R= T= L= E= e= T.R.=
 S.E. RUN= P.C. STA= P.T. STA=

BOUNDARIES ITEMS	EX	PR
Dashed Property Line		
Solid Property/Lot Line		
Section/Grant Line		
County/Township Line		
State Line		
Iron Pipe Found		
Iron Pipe Set		
Survey Marker		
Property Line Symbol		
Same Ownership Symbol		
Northwest Quarter Corner		
Section Corner		
Southeast Quarter Corner		

CONTOUR ITEMS	EX	PR
Approx. Index Line		
Approx. Intermediate Line		
Index Contour		
Intermediate Contour		
Slope Limit Line		
DRAINAGE ITEMS		
Culvert Line		
Ditch Profile Line		
Grading & Shaping Ditches		
Drainage Boundary Line		
Paved Ditch		
Aggregate Ditch		
Flowline		
Ditch Check		
Headwall		
Inlet		
Manhole		
Summit		
Roadway Ditch Flow		
Swale		
Catch Basin		
Culvert End Section		
Water Surface Indicator		
Riprap		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 2 of 8)

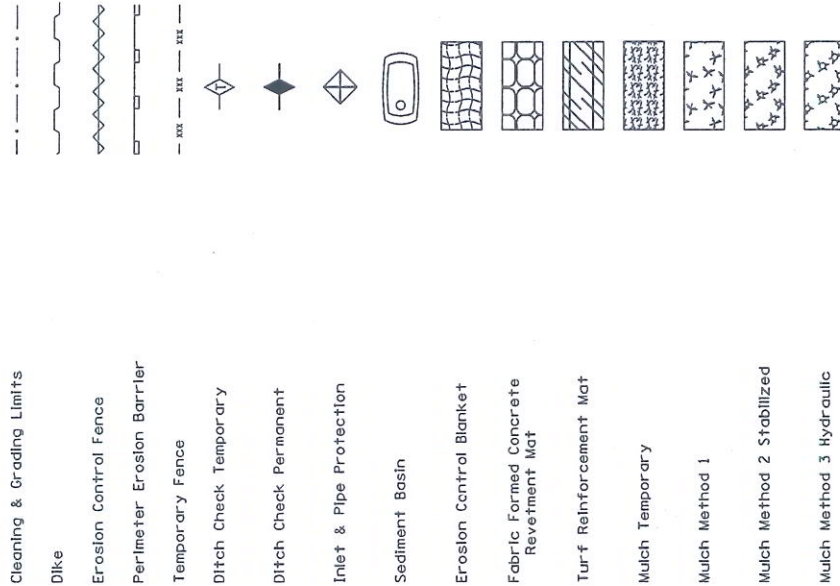
STANDARD 000001-05

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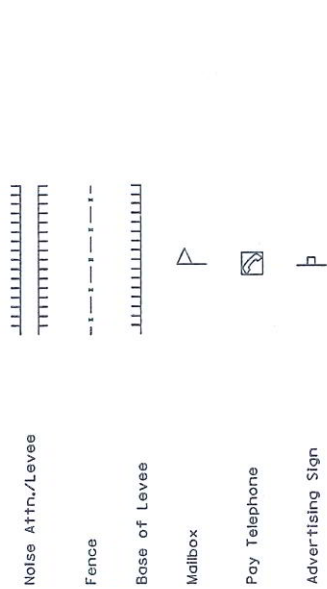
EROSION & SEDIMENT CONTROL ITEMS

EX PR



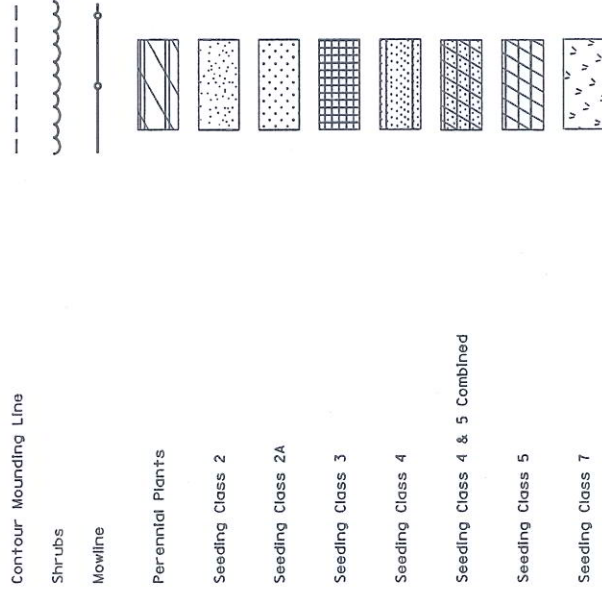
EXISTING IMPROVEMENT ITEMS

EX PR



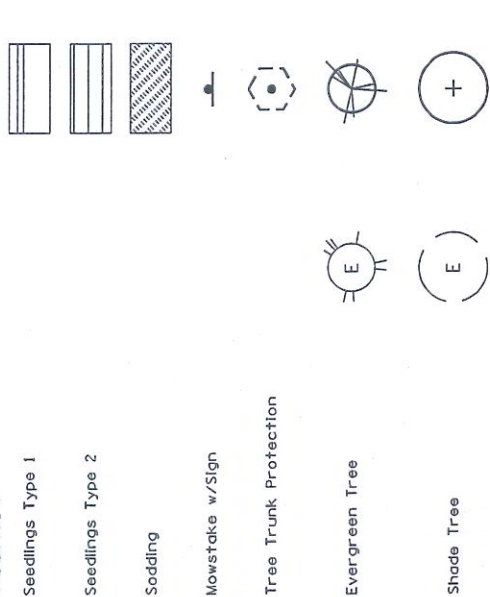
LANDSCAPING ITEMS

EX PR



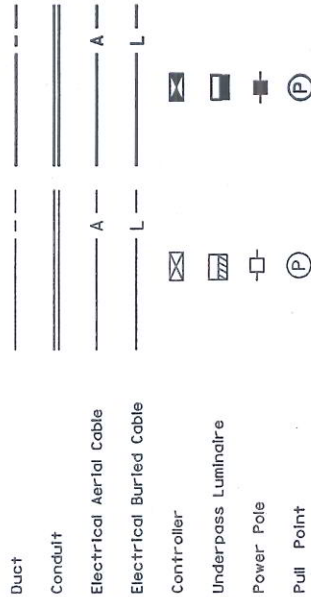
EXISTING LANDSCAPING ITEMS (cont.)

EX PR



LIGHTING

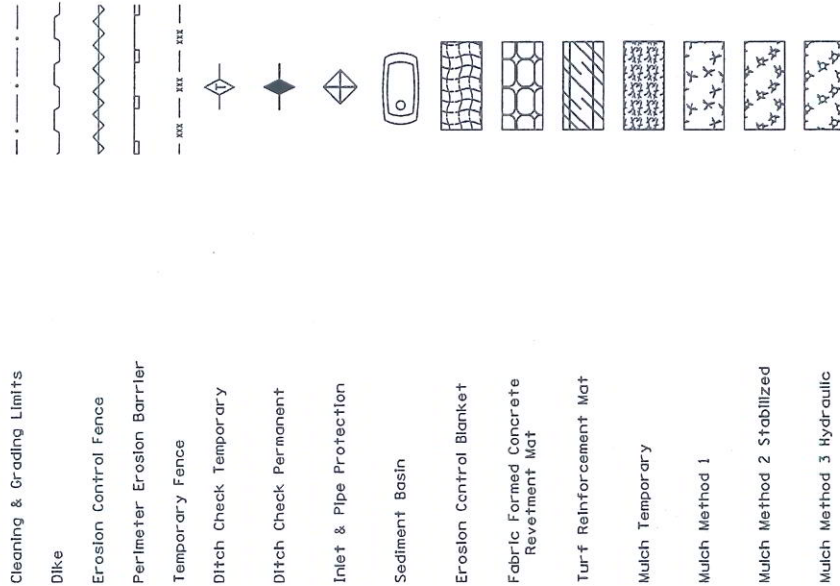
EX PR



STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 3 of 8)
STANDARD 000001-05

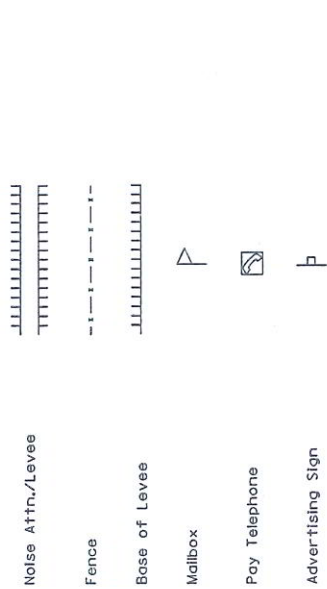
EROSION & SEDIMENT CONTROL ITEMS

EX PR



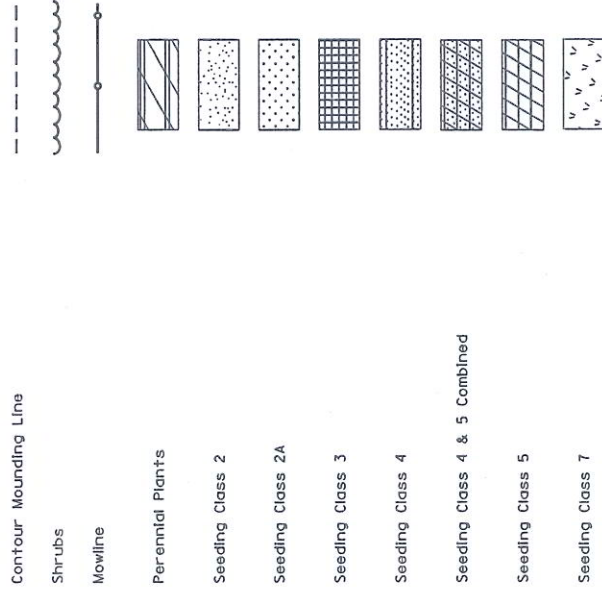
EXISTING IMPROVEMENT ITEMS

EX PR



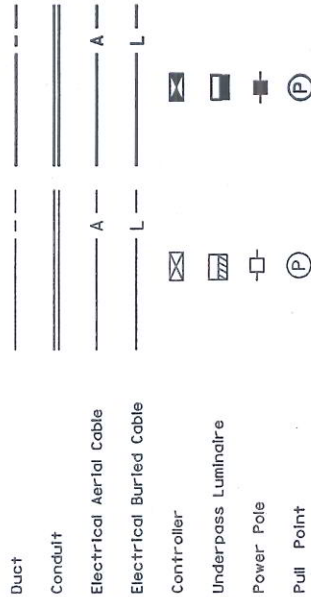
LANDSCAPING ITEMS

EX PR



LIGHTING

EX PR



STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 3 of 8)
STANDARD 000001-05

Illinois Department of Transportation
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ENGINEER OF DESIGN AND ENVIRONMENT

LIGHTING
(Cont.)

Handhole			PR
Heavy Duty Handhole			PR
Junction Box			PR
Light Unit Comb.			PR
Electrical Ground			PR
Traffic Flow Arrow			PR
High Mast Pole			PR
Light Unit-1			PR

PAVEMENT MARKINGS

RR Crossing			PR
Raised Marker Amber 1 Way			PR
Raised Marker Amber 2 Way			PR
Raised Marker Crystal 1 Way			PR
Two Way Turn Left			PR
Shoulder Diag. Pattern			PR
Skip-Dash White			PR
Skip-Dash Yellow			PR
Stop Line			PR
Solid Line			PR
Double Centerline			PR
Dotted Lines			PR
CL 2Ln 2Way RRPM 12.2 m (40') o.c.			PR
CL 2Ln 2Way RRPM 24.4 m (80') o.c.			PR
CL Multilane Div. RRPM 12.2 m (40') o.c.			PR
CL Multilane Div. RRPM 24.4 m (80') o.c.			PR
CL Multilane Div. Dbl. RRPM 24.4 m (80') o.c.			PR
CL Multilane Undiv.			PR
Two Way Turn Left Line			PR

PAVEMENT (MISC.)

Keyed Long. Joint			PR
Keyed Long. Joint w/Tie Bars			PR
Sawed Long. Joint w/Tie Bars			PR
Bituminous Shoulder			PR
Bituminous Taper			PR
Stabilized Driveway			PR
Widening			PR

**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**
(Sheet 4 of 8)
STANDARD 000001-05

Illinois Department of Transportation
 PASSED January 1, 2008
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 APPROVED January 1, 2008
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PAVEMENT MARKINGS
(cont.)

Urban Combination Left Only			PR
Urban Combination Right Only			PR
Urban Left Turn Arrow			PR
Urban Right Turn Arrow			PR
Urban Left Turn Only			PR
Urban Right Turn Only			PR
Urban Thru Only			PR
Rural Combination Left Only			PR
Rural Combination Right Only			PR
Rural Left Turn Arrow			PR
Rural Right Turn Arrow			PR
Rural Left Turn Only			PR
Rural Right Turn Only			PR
Rural Thru Only			PR

RAILROAD ITEMS

Abandoned Railroad		EX	PR
Railroad		EX	PR
Railroad Point		EX	PR
Control Box		EX	PR
Crossing Gate		EX	PR
Flashing Signal		EX	PR
Railroad Cont. Mast Arm		EX	PR
Crossbuck		EX	PR

REMOVAL ITEMS

Removal Tic		EX	PR
Bituminous Removal		EX	PR
Hatch Pattern		EX	PR

RIGHT OF WAY ITEMS

Future ROW Corner Monument		EX	PR
ROW Marker		EX	PR
ROW Line		EX	PR
Easement		EX	PR
Temporary Easement		EX	PR

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 5 of 8)

STANDARD 000001-05

Illinois Department of Transportation
 PASSED January 1, 2008
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<u>ROADWAY PLAN ITEMS</u>	<u>EX</u>	<u>PR</u>
Edge of Pavement	---	---
Bit Shoulders, Medians and C&G Line	---	---
Aggregate Shoulder	---	---
Sidewalks, Driveways	---	---
Guard-rail	---	---
Guard-rail Post	o	o
Traffic Sign	p	p
Corrugated Median		
<u>ROADWAY PROFILES</u>	<u>EX</u>	<u>PR</u>
Profile Line	---	---
P.I. Indicator	▲	▲
Point Indicator	o	o
Earthworks Balance Point	⊕	⊕
Begin Point	●	●
Vert. Curve Data	VPI = ELEV = L E =	VPI = ELEV = L E =
<u>SIGNING ITEMS</u>	<u>EX</u>	<u>PR</u>
Cone, Drum or Barricade	o	o
Barricade Type II		
<u>SIGNING ITEMS (cont.)</u>	<u>EX</u>	<u>PR</u>
Detour Ahead W20-2(O)	T	T
Left Lane Closed Ahead W20-5L(O)	o	o
Right Lane Closed Ahead W20-5R(O)	o	o
Road Closed Ahead W20-3(O)	o	o
Road Construction Ahead W20-1(O)	o	o
One Lane Road Ahead W20-4	o	o
Transition Left W4-2L	o	o
Transition Right W4-2R	o	o

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 6 of 8)

STANDARD 000001-05

Illinois Department of Transportation

PASSED January 1, 2008

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2008

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

SIGNING ITEMS (cont.)	EX	PR	TRAFFIC SHEET ITEMS	EX	PR	TRAFFIC SIGNAL ITEMS (cont.)	EX	PR
Left Turn Lane R3-1100L			Cable Number			Conduit Splice		
Keep Left R4-7AL			Left Turn Green			Controller		
Keep Left R4-7BL			Left Turn Yellow			Gulfbox Junction		
Keep Right R4-7AR			Signal Backplate			Wood Pole		
Keep Right R4-7BR			Signal Section 200 mm (8")			Temp. Signal Head Handhole		
Stop Here On Red R10-6-AL			Signal Section 300 mm (12")			Heavy Duty Handhole Junction Box		
Stop Here On Red R10-6-AR			Walk/Don't Walk Letters			Ped. Pushbutton Detector		
No Left Turn R3-2			Walk/Don't Walk Symbols			Ped. Signal Head		
No Right Turn R3-1			TRAFFIC SIGNAL ITEMS			Power Pole Service		
Road Closed R11-2			Galv. Steel Conduit			Priorty Veh. Detector		
Road Closed Thru Traffic R11-2			Underground Cable			Signal Head		
			Detector Loop Line			Signal Head w/Backplate		
			Detector Loop Large			Signal Post		
			Detector Loop Small			UNDERGROUND UTILITY ITEMS		
			Detector Loop Quadrupole			Cable TV		
			Detector Raceway			Electric Cable		
			Aluminum Mast Arm			Fiber Optic		
			Steel Mast Arm			Gas Pipe		
			Veh. Detector Magnetic			Oil Pipe		
						Pipe Underdrain		

STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS
(Sheet 7 of 8)

STANDARD 000001-05

Illinois Department of Transportation
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**UNDERGROUND
UTILITY ITEMS
(cont.)**

Sanitary Sewer		<u>EX</u>	<u>PR</u>
Storm Sewer		<u>EX</u>	<u>PR</u>
Telephone Cable		<u>EX</u>	<u>PR</u>
Water Pipe		<u>EX</u>	<u>PR</u>

UTILITIES ITEMS

Controller		<u>EX</u>	<u>PR</u>
Double Handhole		<u>EX</u>	<u>PR</u>
Fire Hydrant		<u>EX</u>	<u>PR</u>
Handhole		<u>EX</u>	<u>PR</u>
Heavy Duty Handhole		<u>EX</u>	<u>PR</u>
Junction Box		<u>EX</u>	<u>PR</u>
Light Pole		<u>EX</u>	<u>PR</u>
Manhole		<u>EX</u>	<u>PR</u>
Power Pole		<u>EX</u>	<u>PR</u>
Splice Box Above Ground		<u>EX</u>	<u>PR</u>
Telephone Splice Box Above Ground		<u>EX</u>	<u>PR</u>
Telephone Pole		<u>EX</u>	<u>PR</u>
Traffic Signal		<u>EX</u>	<u>PR</u>
Water Meter Valve Box		<u>EX</u>	<u>PR</u>

VEGETATION ITEMS

Deciduous Tree		<u>EX</u>	<u>PR</u>
Bush		<u>EX</u>	<u>PR</u>
Evergreen Tree		<u>EX</u>	<u>PR</u>
Stump		<u>EX</u>	<u>PR</u>
Vegetation Line		<u>EX</u>	<u>PR</u>
Woods & Bush Line		<u>EX</u>	<u>PR</u>

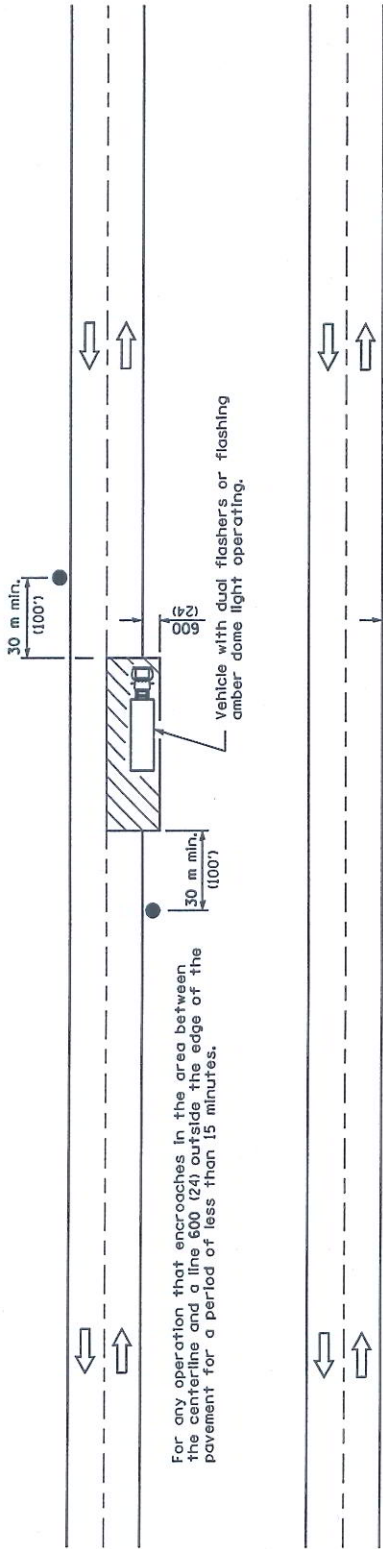
**WATER FEATURE
ITEMS**

Stream or Drainage Ditch		<u>EX</u>	<u>PR</u>
Waters Edge		<u>EX</u>	<u>PR</u>
Water Surface Indicator		<u>EX</u>	<u>PR</u>
Water Point		<u>EX</u>	<u>PR</u>
Disappearing Ditch		<u>EX</u>	<u>PR</u>
Marsh		<u>EX</u>	<u>PR</u>

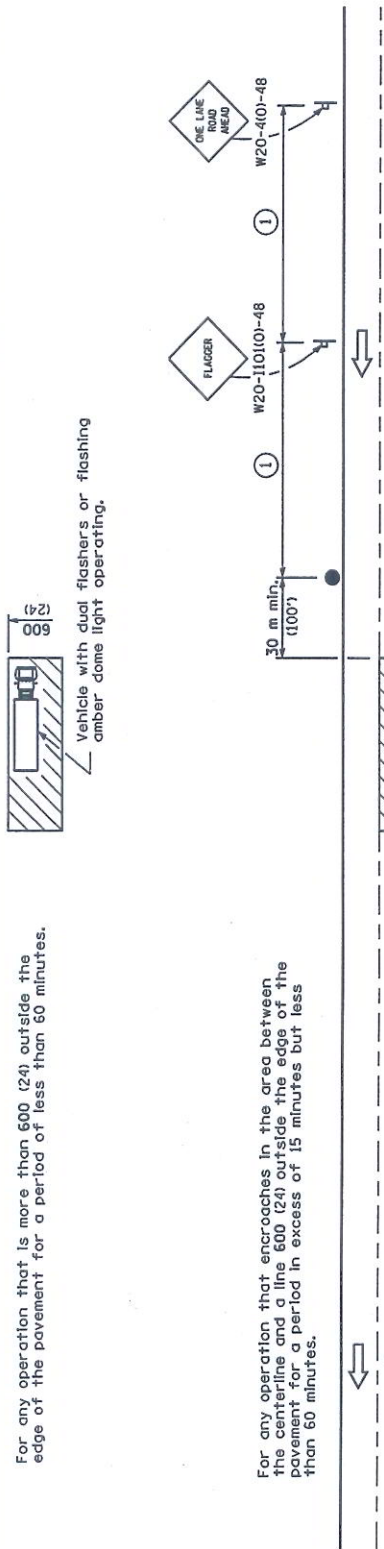
Illinois Department of Transportation
 PASSED _____ JANUARY 1, 2008
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED _____ JANUARY 1, 2008
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

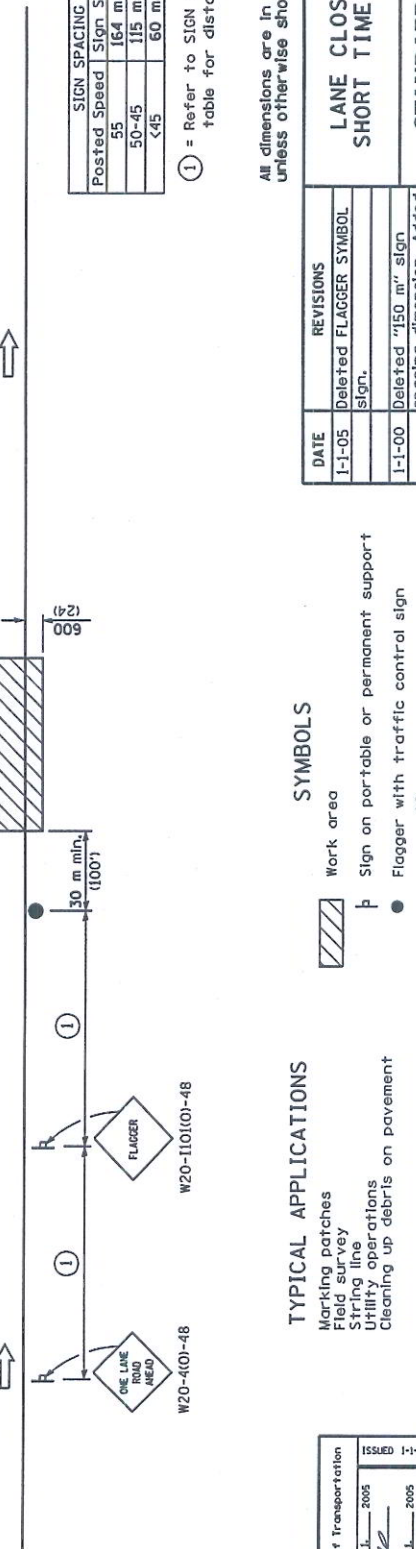
**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**
 (Sheet 8 of 8)
STANDARD 000001-05



For any operation that encroaches in the area between the centerline and a line 600 (24) outside the edge of the pavement for a period of less than 15 minutes.



For any operation that is more than 600 (24) outside the edge of the pavement for a period of less than 60 minutes.



For any operation that encroaches in the area between the centerline and a line 600 (24) outside the edge of the pavement for a period in excess of 15 minutes but less than 60 minutes.

Posted Speed	Sign Spacing
55	164 m (500')
50-45	115 m (350')
<45	60 m (200')

① = Refer to SIGN SPACING table for distances.

All dimensions are in millimeters (inches) unless otherwise shown.

SYMBOLS

- Work area
- Sign on portable or permanent support
- Flagger with traffic control sign

TYPICAL APPLICATIONS

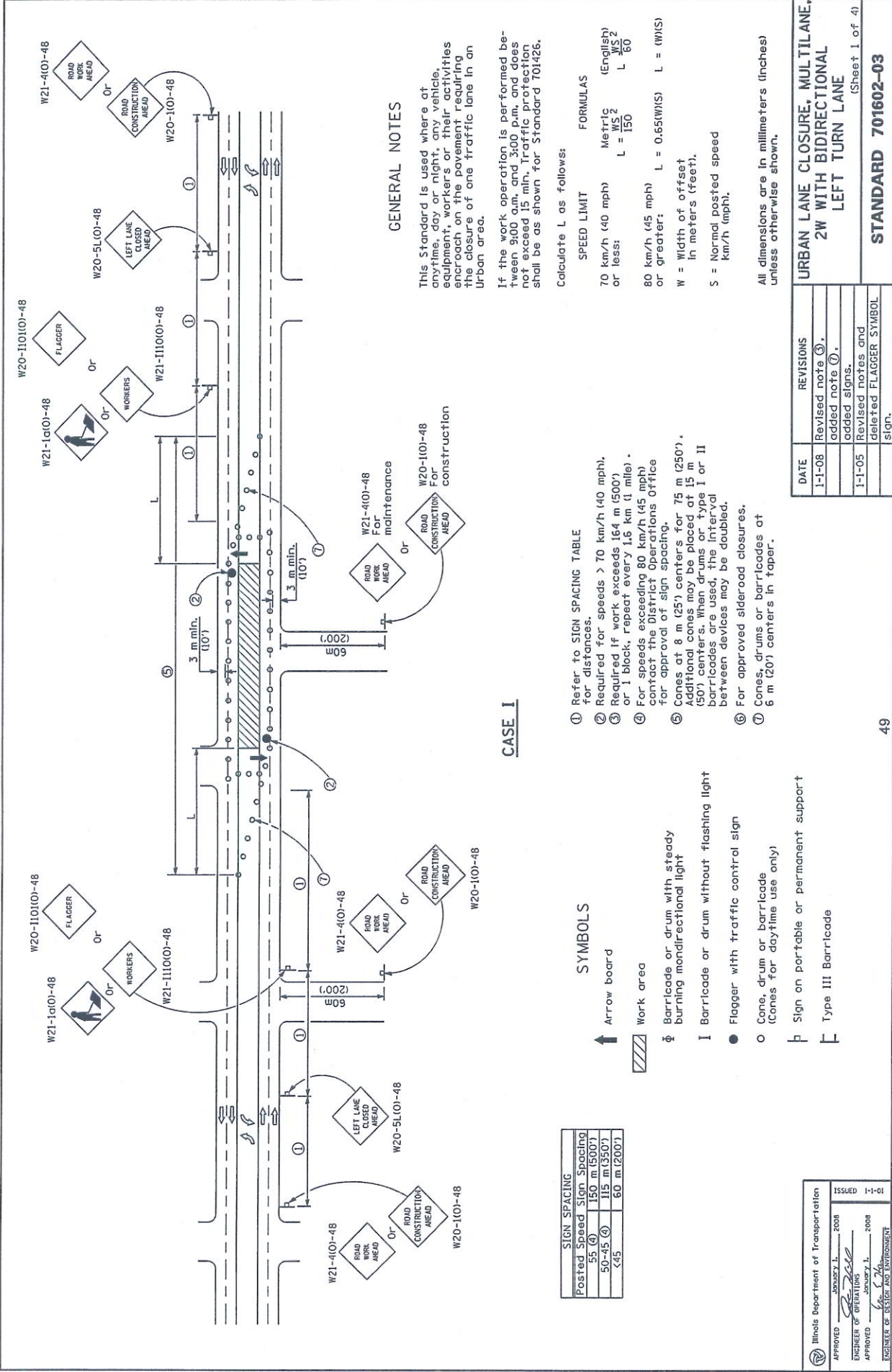
- Marking patches
- Field survey
- Striping
- Utility operations
- Cleaning up debris on pavement

DATE	REVISIONS
1-1-05	Deleted FLAGGER SYMBOL sign.
1-1-00	Deleted "150 m" sign spacing dimension. Added SIGN SPACING Table.

Illinois Department of Transportation
 APPROVED: [Signature] JUNE 1, 2005
 ENGINEER OF OPERATIONS
 APPROVED: [Signature] JUNE 1, 2005
 FOREMAN OF DESIGN AND CONSTRUCTION

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

STANDARD 701301-02



GENERAL NOTES

This Standard is used where at anytime, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an Urban area.

If the work operation is performed between 9:00 a.m. and 3:00 p.m. and does not exceed 15 min. Traffic protection shall be as shown for Standard 701426.

Calculate L as follows:

SPEED LIMIT FORMULAS

70 km/h (40 mph) Metric (English)
 or less: L = WS² L = WS²
 150 60

80 km/h (45 mph) L = (W/S) L = (W/S)
 or greater: L = 0.65(W/S) L = (W/S)
 W = Width of offset in meters (feet).
 S = Normal posted speed km/h (mph).

All dimensions are in millimeters (inches) unless otherwise shown.

CASE I

- REFER TO SIGN SPACING TABLE**
- 1 Refer to SIGN SPACING TABLE for distances.
 - 2 Required for speeds > 70 km/h (40 mph).
 - 3 Required if work exceeds 164 m (500') or 1 block, repeat every 1.6 km (1 mile).
 - 4 For speeds exceeding 80 km/h (45 mph) contact the District Operations Office for approval of sign spacing.
 - 5 Cones at 8 m (25') centers for 75 m (250'). Additional cones may be placed at 15 m (50') centers. When drums or type I or II barricades are used, the interval between devices may be doubled.
 - 6 For approved sidewalk closures, Cones, drums or barricades at 6 m (20') centers in taper.

SYMBOLS

- ↑ Arrow board
- ▨ Work area
- ⊕ Barricade or drum with steady burning nondirectional light
- I Barricade or drum without flashing light
- Flagger with traffic control sign
- Cone, drum or barricade (Cones for daytime use only)
- ⊥ Sign on portable or permanent support
- F Type III Barricade

Posted Speed	Sign Spacing
55 (4)	150 m (500')
50-45 (4)	115 m (350')
45	60 m (200')

DATE	REVISIONS
1-1-08	Revised note ③, added note ④.
1-1-05	Revised notes and deleted FLAGGER SYMBOL sign.

Illinois Department of Transportation

APPROVED JANUARY 1, 2008

ENGINEER OF OPERATIONS

APPROVED JANUARY 1, 2008

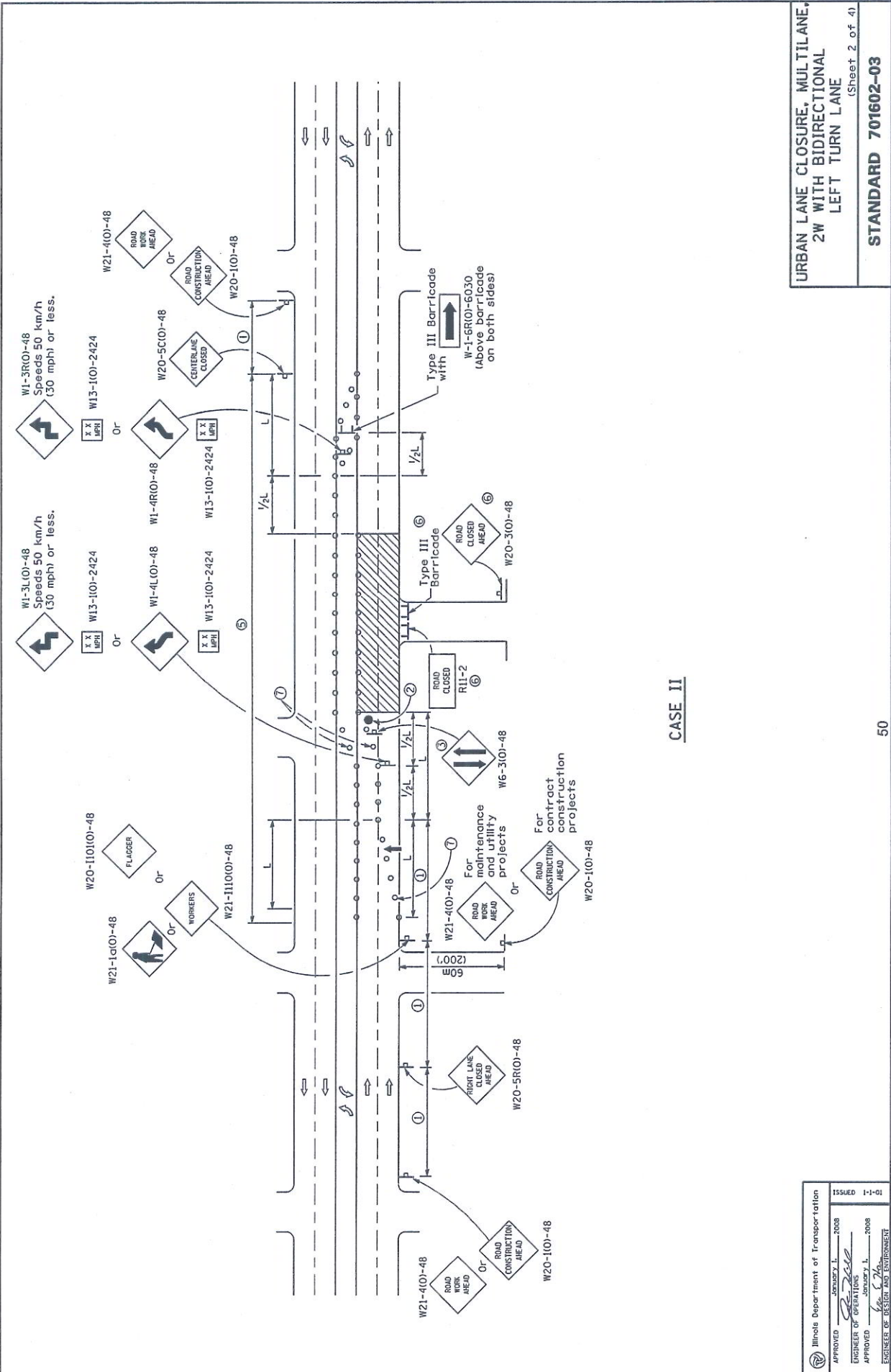
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-01

URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE

STANDARD 701602-03

(Sheet 1 of 4)

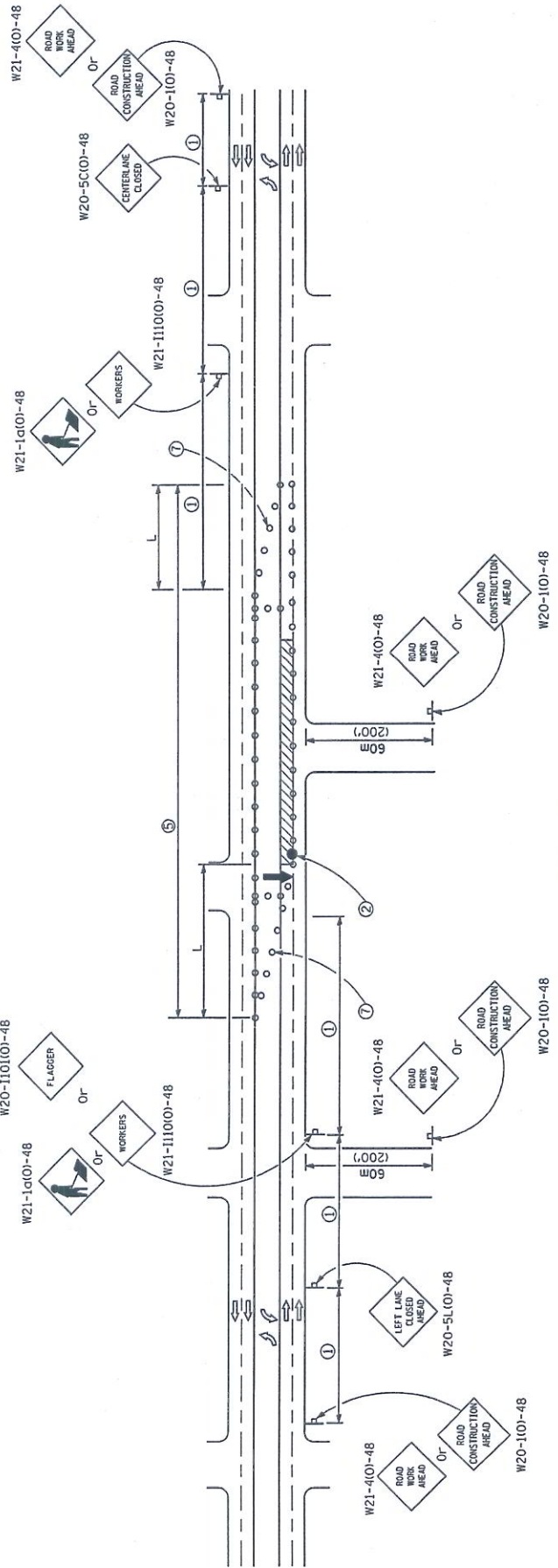


URBAN LANE CLOSURE, MULTILANE,
2W WITH BIDIRECTIONAL
LEFT TURN LANE
(Sheet 2 of 4)

STANDARD 701602-03

CASE II

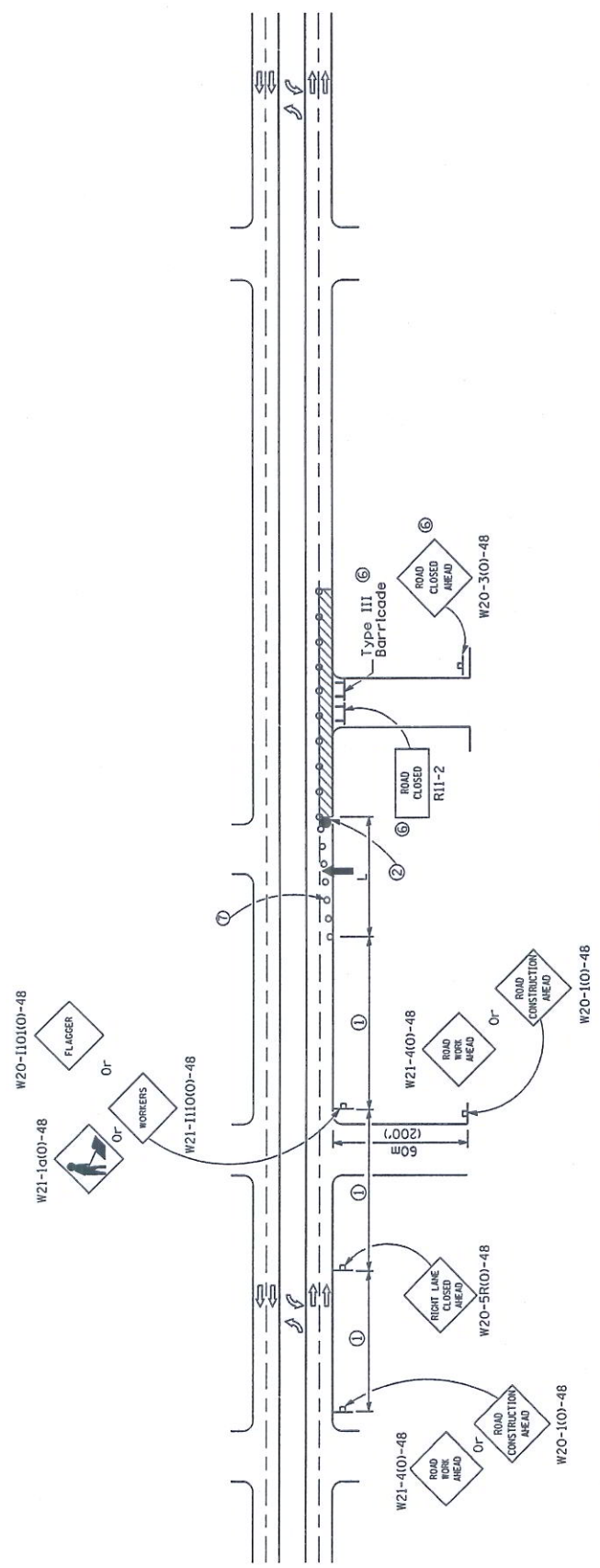
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CASE III

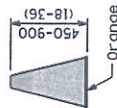
URBAN LANE CLOSURE, MULTILANE,
2W WITH BIDIRECTIONAL
LEFT TURN LANE
(Sheet 3 of 4)
STANDARD 701602-03

Illinois Department of Transportation		ISSUED	1-1-01
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APPROVED	JANUARY 1, 2008		
ENGINEER OF DESIGN FOR ENVIRONMENT	<i>[Signature]</i>		

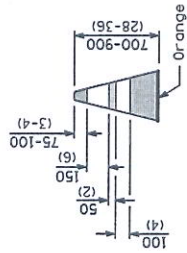


CASE IV

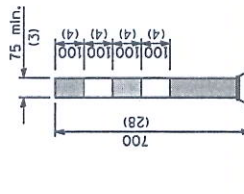
Illinois Department of Transportation
 APPROVED: [Signature] JUNE 7, 2008
 ENGINEER OF OPERATIONS
 APPROVED: [Signature] JUNE 7, 2008
 ENGINEER OF DESIGN AND ENVIRONMENT



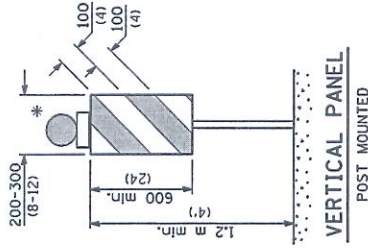
CONE



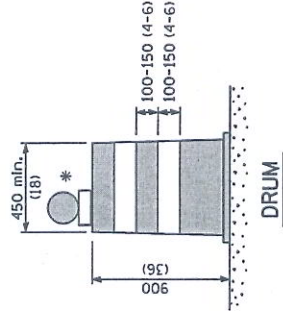
REFLECTORIZED CONE



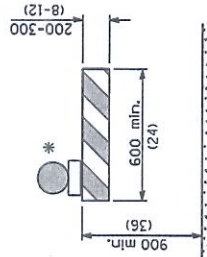
FLEXIBLE DELINEATOR



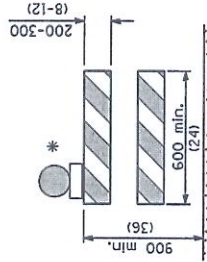
**VERTICAL PANEL
POST MOUNTED**



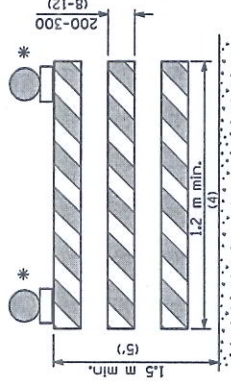
DRUM



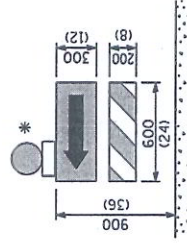
TYPE I BARRICADE



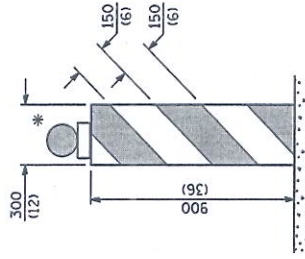
TYPE II BARRICADE



TYPE III BARRICADE



**DIRECTION INDICATOR
BARRICADE**



VERTICAL BARRICADE

* Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.
All dimensions are in millimeters (inches) unless otherwise shown.

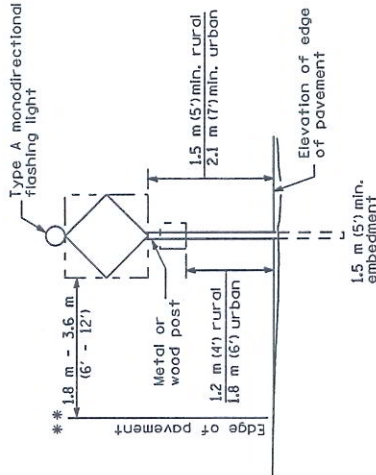
Illinois Department of Transportation		ISSUED 1-1-97	
APPROVED	January 1, 2008	APPROVED	January 1, 2008
<i>[Signature]</i>		<i>[Signature]</i>	
ENGINEER OF TRAFFIC DEVICES		ENGINEER OF DESIGN AND ENVIRONMENT	

DATE	REVISIONS
1-1-08	Renumbered Standard
7-20-01	06. Rev. note for temp. signs on Sheet 2.
4-1-06	Revised vert. barricade, post mounted signs, and signs on temp. supports.

**TRAFFIC CONTROL
DEVICES**

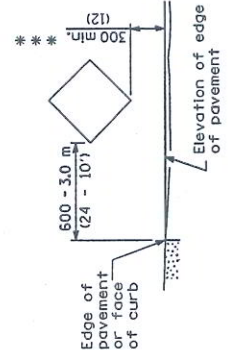
(Sheet 1 of 3)

STANDARD 701901



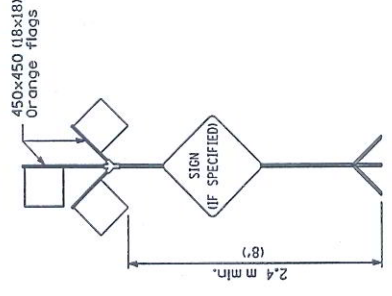
POST MOUNTED SIGNS

*** When curb or paved shoulder are present this dimension shall be 600 (24) to the face of curb or 1.8 m (6') to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 1.5 m (5') min. If located behind other devices, the height shall be sufficient to be seen by motorists.

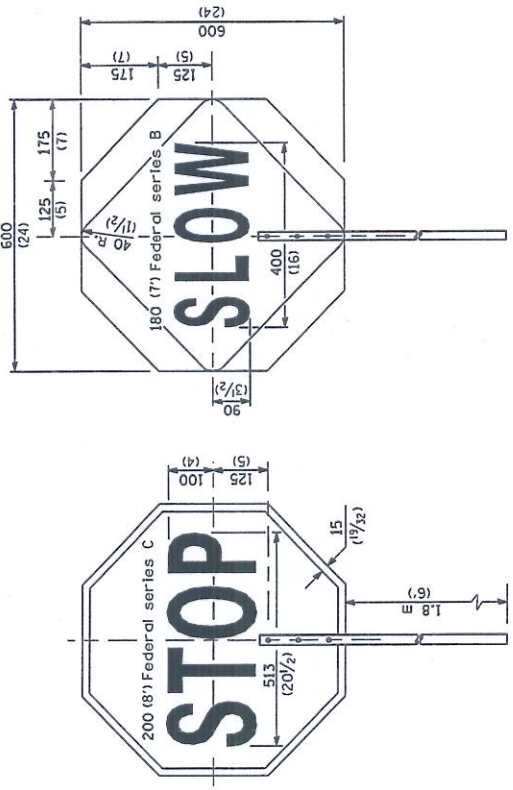


HIGH LEVEL WARNING DEVICE

ROAD CONSTRUCTION NEXT X MILES	G20-1101-6036
END CONSTRUCTION	G20-2a(0)-6024

This signing is required for all projects 3200 m (2 miles) or more in length.
 ROAD CONSTRUCTION NEXT X MILES sign shall be placed 150 m (500') in advance of project limits.
 END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 3200 m (2 miles).
 Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



FRONT SIDE
 REVERSE SIDE

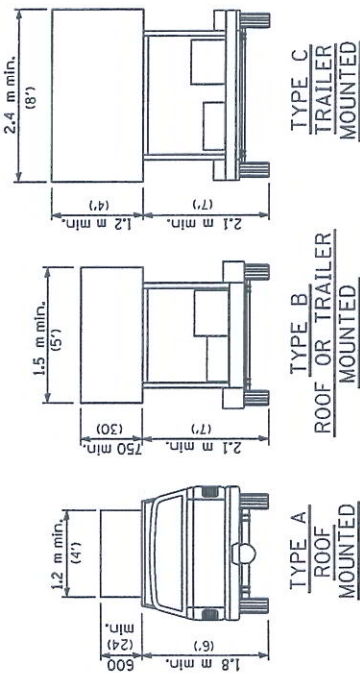
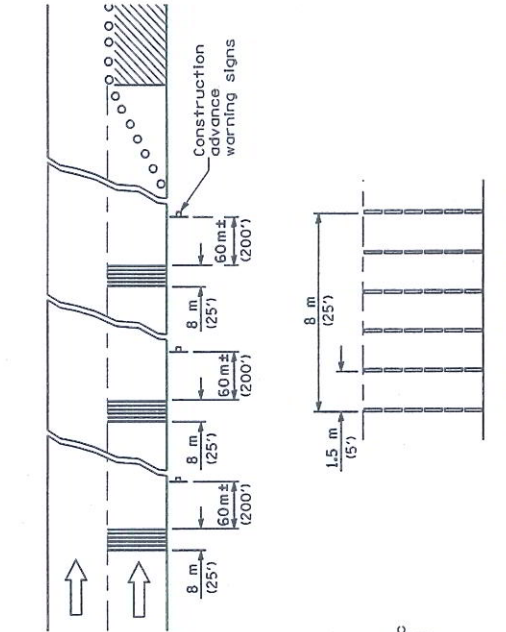
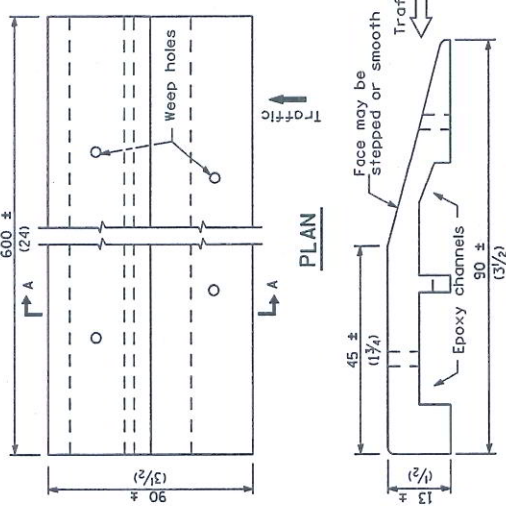
Illinois Department of Transportation
 APPROVED: [Signature] JUNE 1, 2008
 ENGINEER OF OPERATIONS
 APPROVED: [Signature] JUNE 1, 2008
 ENGINEER OF DESIGN AND ENVIRONMENT

FLAGGER TRAFFIC CONTROL SIGN

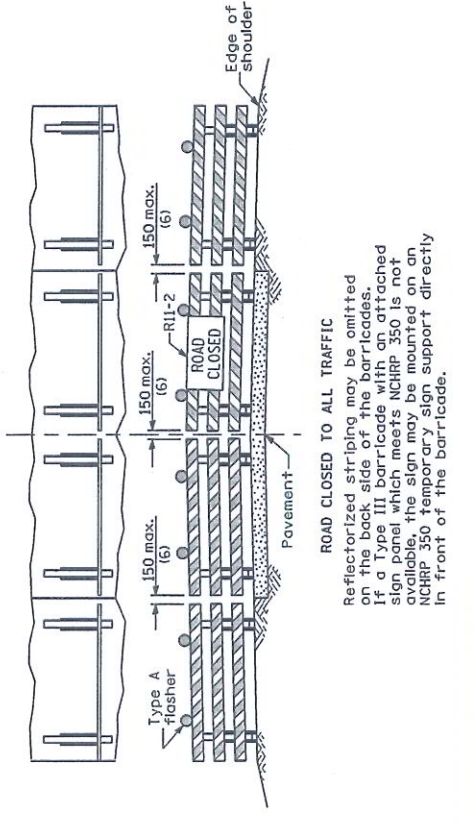
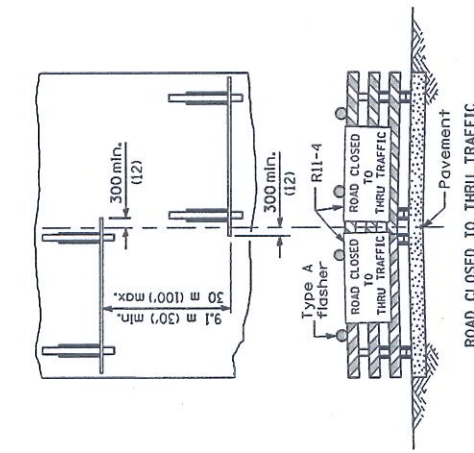
TRAFFIC CONTROL DEVICES
 (Sheet 2 of 3)

STANDARD 701901

All dimensions are in millimeters (inches) unless otherwise shown.



TEMPORARY RUMBLE STRIPS



TRAFFIC CONTROL DEVICES
(Sheet 3 of 3)

STANDARD 701901

All dimensions are in millimeters (inches) unless otherwise shown.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation

APPROVED: [Signature] JUNE 1, 2008

ENGINEER OF OPERATIONS

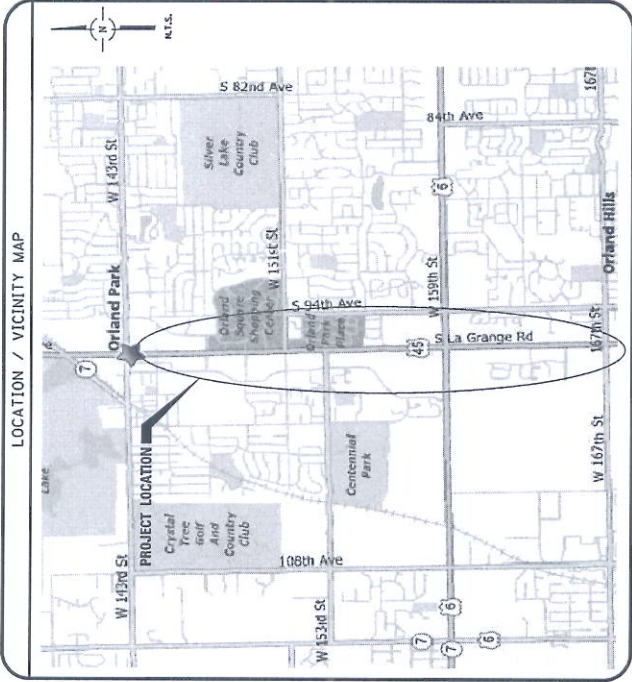
APPROVED: [Signature] JUNE 1, 2008

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED: 1-1-97

VILLAGE OF ORLAND PARK LA GRANGE ROAD SEASONAL LIGHTING IMPROVEMENTS

INDEX	
1	TITLE SHEET
2	GENERAL NOTES, SUMMARY OF QUANTITIES & LEGEND
3	LIGHTING PLAN-1
4	LIGHTING PLAN-2
5	LIGHTING PLAN-3
6	LIGHTING PLAN-4
7	LIGHTING PLAN-5
8	LIGHTING PLAN-6
9	LIGHTING DETAILS FOR LIGHTING SYSTEM FROM 167th TO 153rd
10	LIGHTING DETAILS FOR LIGHTING SYSTEM FROM 153rd TO 147th
11	LIGHTING DETAILS FOR LIGHTING SYSTEM FROM 151th TO 153rd
12	LIGHTING DETAILS FOR LIGHTING SYSTEM FROM 153rd TO 147th



NOTES

1. DRAWINGS SHALL BE USED AS A COMPLETE SET ONLY. DO NOT SEPARATE SHEETS.
2. CHRISTOPHER B. BURKE ENGINEERING, LTD. SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL FULL WORKING DAYS PRIOR TO CONSTRUCTION.
3. EXISTING LAGRANGE ROAD LIGHTING PLANS REFERENCED IN FOLLOWING LIGHTING PLAN SHEETS WERE PROVIDED BY THE VILLAGE OF ORLAND PARK. CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK.

PRESIDENT
DANIEL J. MCLAUGHLIN

ASSISTANT VILLAGE MANAGER
ELLEN BAER

FINANCIAL DIR.
ANNMARIE K. MAMPE

PUBLIC WORKS DIR.
PETER J. CASEY

DESCRIPTION OF WORK

THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, LABOR, AND SERVICES NECESSARY FOR THE INSTALLATION OF NEW 120 VOLT W/ POLE MOUNTED RECEPTACLES TO REPLACE EXISTING RECEPTACLES FOR LAGRANGE ROAD SEASONAL LIGHTING.

THIS PROJECT INCLUDES APPROXIMATELY 81 NEW 0.25KVA TRANSFORMERS, BREAKAWAY TRANSFORMER BASES AND 200-120V POLE MOUNTED RECEPTACLES. PROPOSED WORK WILL NOT REQUIRE ADDITIONAL ELECTRICAL WIRING THROUGH EXISTING CONDUIT AND CONDUITS WILL BE LEFT IN PLACE. FUSE HOLDERS AND POLE WIRING WILL NEED TO BE PROVIDED AT EACH POLE TO CONNECT 120V RECEPTACLES TO EXISTING LIGHTING SYSTEMS.

CLERK
DAVID P. MAHER

STANDARDS	
STANDARD NO.	DESCRIPTION
00001-04	STANDARD ABBREVIATIONS & SYMBOLS
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701602	URBAN LANE CLOSURE, MULTILANE, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
702001-06	TRAFFIC CONTROL DEVICES

LOCATION

THE PROJECT IS LOCATED IN THE VILLAGE OF ORLAND PARK, ILLINOIS 48 SQUARE BLOCKS & 100 YD.

CALL JULIE 1-800-892-0123
Cook County, ORLAND PARK, ILLINOIS

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND CONSTRUCTION

ENGINEER _____ **DATE** _____

JOHN P. CARIJOSO
ILLINOIS REGISTRATION No. 062-048356
EXPIRATION DATE: 11/30/2007



CLIENT :

the village of
Orland Park
14700 South Ravinia Avenue
Orland Park, IL 60462

CB
B

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(647) 623-0500
PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/03

GENERAL NOTES

- THE OWNER, VILLAGE OF ORLAND PARK SHALL BE NOTIFIED IN WRITING AT LEAST 120 FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- UTILITIES MAY EXIST IN THE AREA WHERE WORK IS PROPOSED. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES, INTERFERE WITH THE PROPOSED WORK, PIPE ROUTING, ETC. RESOLVE ANY AND ALL INTERFERENCE PROBLEMS.
- ALL UTILITY COMPANIES SHALL BE CONTACTED AND THEIR RECORD DRAWINGS SHALL BE OBTAINED AND REVIEWED FOR EASEMENT, RIGHT-OF-WAY, OR SUSPECTED UTILITY LOCATION.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", AS PREPARED BY IDOT.
 - NATIONAL ELECTRICAL CODE.
 - MUNICIPAL CODES & STANDARDS.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT IS TO SHOW THE GENERAL CONCEPTS AND LAYOUT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND SPECIFICATION OF ALL WORK DESCRIBED BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS BUT WHICH IS NECESSARY TO COMPLETE THE CONTRACTOR'S SCOPE OF WORK SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.
- THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH SERVICE THROUGHOUT THE PROJECT. ANY DAMAGE TO EXISTING UTILITY SERVICE OR EQUIPMENT FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.
- ALL DISTURBED AREAS (NOT IMPERVIOUS IN NATURE) SHALL BE FINE GRADED, TOP-SOIL RESTORED, MIN. 4 INCHES, AND SEED/ MULCH APPLIED. ALL DISTURBED AREAS SHALL BE RESTORED TO THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT STANDARD IS ERECTED.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
- FOR LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLE, CALL COM ED.
- NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL MATERIALS EQUIPMENTS, AND TOOLS HAVE BEEN REVIEWED BY THE OWNER'S REPRESENTATIVE.
- CONDUIT: ALL UNDERGROUND WIRING SHALL BE IN POLYETHYLENE UNIT-DUCT OR GALVANIZED STEEL CONDUIT.
- ALL UNDERGROUND WIRING SHALL BE MINIMUM #8 COPPER (OR SIZE AS SHOWN ON THE PLANS) ALP-TYPE USE, EXTRA 30 INCHES BELOW FINISHED GRADE, AND SHALL FOLLOW THE ROADWAY OR SIDEWALK EDGE.
- 6" WIDE RED STANDARD WARNING TAPE SHALL BE INSTALLED FOR THE FULL LENGTH OF ALL UNDERGROUND CONDUIT AND FOR THE FULL LENGTH OF ALL STREET LIGHT CONDUCTOR WIRE.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN ONE SET OF RECORD DRAWINGS TO THE OWNER'S REPRESENTATIVE UPON COMPLETION OF THE STREET LIGHTING IMPROVEMENTS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING THE STREET RELATIVE TO PROPERTY CROSSINGS AND ALSO THE LOCATION OF ALL UNDERGROUND WIRING.

SEASONAL LIGHTING IMPROVEMENTS SUMMARY OF QUANTITIES

LIGHTING SYSTEM #1 - 16301 S. La. GRANGE RD.

Special Provisions No.	Description	Unit	Quantity
1	BREAKAWAY DEVICE, TRANSFORMER BASE	EACH	18
2	POLE MOUNTED RECEPTACLE, COMPLETE IN PLACE	EACH	18
3	STEPDOWN TRANSFORMER AND WIRING, COMPLETE IN PLACE	EACH	18
4	TRAFFIC CONTROL & PROTECTION	LSUM	1
5	MAINTENANCE OF EXISTING LIGHTING SYSTEM, COMPLETE	LSUM	1

LIGHTING SYSTEM #2 - 16051 S. La. GRANGE RD.

Special Provisions No.	Description	Unit	Quantity
1	BREAKAWAY DEVICE, TRANSFORMER BASE	EACH	16
2	POLE MOUNTED RECEPTACLE, COMPLETE IN PLACE	EACH	16
3	STEPDOWN TRANSFORMER AND WIRING, COMPLETE IN PLACE	EACH	16
4	TRAFFIC CONTROL & PROTECTION	LSUM	1
5	MAINTENANCE OF EXISTING LIGHTING SYSTEM, COMPLETE	LSUM	1

LIGHTING SYSTEM #3 - 15601 S. La. GRANGE RD.

Special Provisions No.	Description	Unit	Quantity
1	BREAKAWAY DEVICE, TRANSFORMER BASE	EACH	17
2	POLE MOUNTED RECEPTACLE, COMPLETE IN PLACE	EACH	17
3	STEPDOWN TRANSFORMER AND WIRING, COMPLETE IN PLACE	EACH	17
4	TRAFFIC CONTROL & PROTECTION	LSUM	1
5	MAINTENANCE OF EXISTING LIGHTING SYSTEM, COMPLETE	LSUM	1

LIGHTING SYSTEM #4 - 15101 S. La. GRANGE RD.

Special Provisions No.	Description	Unit	Quantity
1	BREAKAWAY DEVICE, TRANSFORMER BASE	EACH	30
2	POLE MOUNTED RECEPTACLE, COMPLETE IN PLACE	EACH	30
3	STEPDOWN TRANSFORMER AND WIRING, COMPLETE IN PLACE	EACH	30
4	TRAFFIC CONTROL & PROTECTION	LSUM	1
5	MAINTENANCE OF EXISTING LIGHTING SYSTEM, COMPLETE	LSUM	1

LEGEND

- EXISTING VILLAGE OF ORLAND PARK OWNED AND MAINTAINED LIGHT POLE
EXISTING WIRES IN UNIT DUCT (AS SHOWN ON PLANS)
EXISTING LIGHTING CONTROLLER
- OR
- UD — OR —

LIGHTING SYSTEM DESCRIPTIONS

LIGHTING SYSTEM #1 - 16301 S. La. GRANGE RD.

CONTROLLER LOCATION	SYSTEM LIMITS	DESCRIPTION
APPROX. 150' NORTH OF APPROX. 1630' EAST SIDE OF La GRANGE RD.	APPROX. 150' NORTH OF APPROX. 1630' EAST SIDE OF La GRANGE RD.	THE EXISTING 480/240V, 1A, 3 WIRE LIGHTING SYSTEM SHALL BE RE-OPERATED TO MEET THE 240V, 1A, 3 WIRE LIGHT STANDARDS WITH THE OPERATION OF 12 PHASE CONDUCTORS TO GROUND.

LIGHTING SYSTEM #2 - 16051 S. La. GRANGE RD.

CONTROLLER LOCATION	SYSTEM LIMITS	DESCRIPTION
APPROX. 150' NORTH OF APPROX. 1630' EAST SIDE OF La GRANGE RD.	APPROX. 140' NORTH OF APPROX. 1630' EAST SIDE OF LIGHTING CONTROLLER	THE EXISTING 480/240V, 1A, 3 WIRE LIGHTING SYSTEM SHALL BE RE-OPERATED TO MEET THE 240V, 1A, 3 WIRE LIGHT STANDARDS WITH THE OPERATION OF 12 PHASE CONDUCTORS TO GROUND.

LIGHTING SYSTEM #3 - 15601 S. La. GRANGE RD.

CONTROLLER LOCATION	SYSTEM LIMITS	DESCRIPTION
APPROX. 1000' NORTH OF APPROX. 1250' WEST SIDE OF La GRANGE RD.	APPROX. 1250' NORTH OF APPROX. 140' SOUTH OF 1530' ST.	THE EXISTING 240/480V, 1A, 3 WIRE LIGHTING CONTROLLER SYSTEM SHALL BE RE-OPERATED TO MEET THE 240V, 1A, 3 WIRE LIGHT STANDARDS WITH THE OPERATION OF 12 PHASE CONDUCTORS TO NEUTRAL.

LIGHTING SYSTEM #4 - 15101 S. La. GRANGE RD.

CONTROLLER LOCATION	SYSTEM LIMITS	DESCRIPTION
SOUTHWEST CORNER OF APPROX. 150' NORTH OF APPROX. 1510' EAST SIDE OF La GRANGE RD.	APPROX. 150' NORTH OF APPROX. 1510' EAST SIDE OF 1470' ST.	THE EXISTING 480/240V, 1A, 3 WIRE LIGHTING SYSTEM SHALL BE RE-OPERATED TO MEET THE 240V, 1A, 3 WIRE LIGHT STANDARDS WITH THE OPERATION OF 12 PHASE CONDUCTORS TO NEUTRAL.

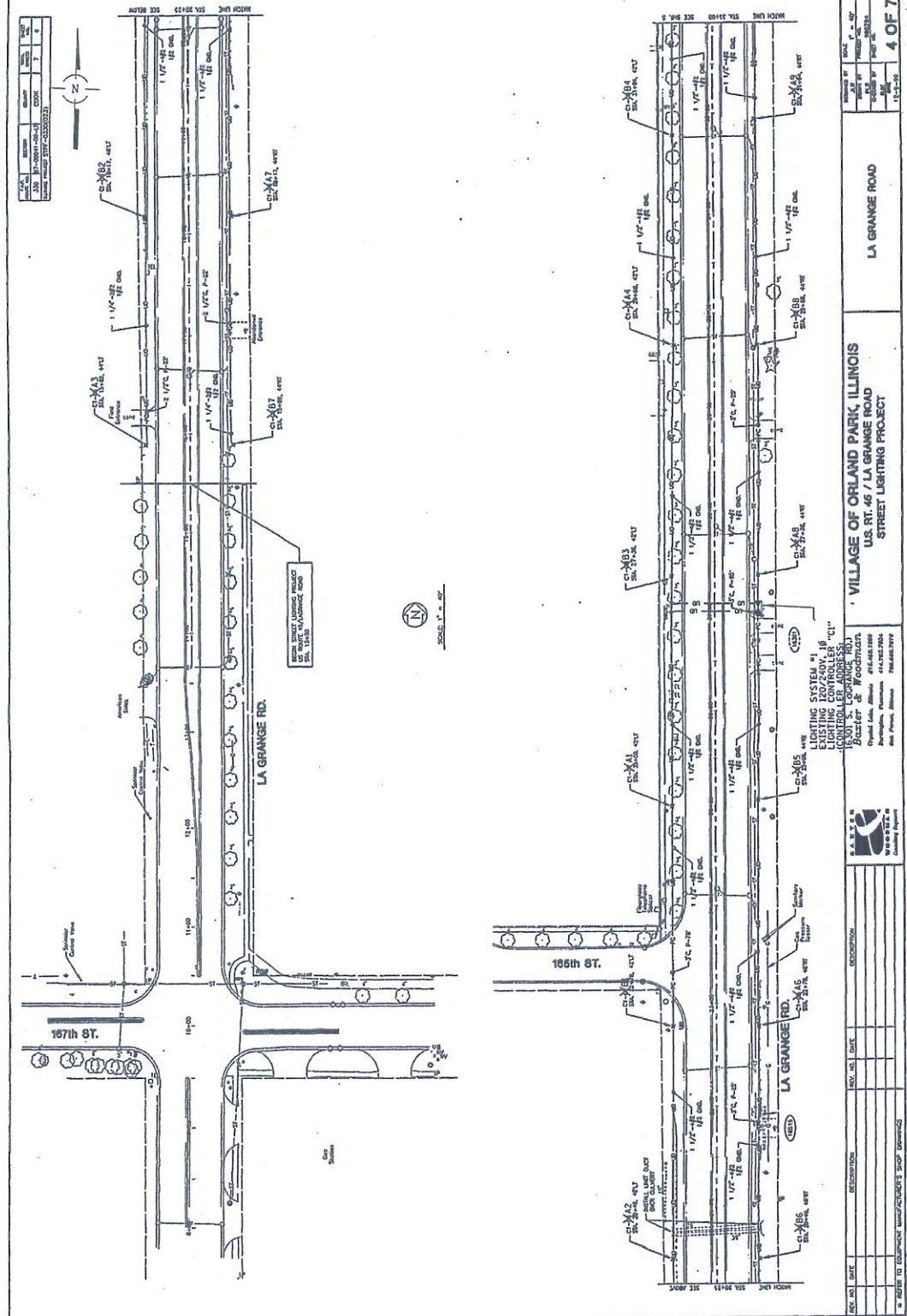
CHRISTOPHER B. BURKE ENGINEERING, LTD.
8575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CLIENT:
the village of Orland Park
14700 South Reynolds Avenue
Orland Park, IL 60462

FILE NAME	MODEL	DATE	NATURE OF REVISION
IN:\ORLANDPARK\OTR\TRM\ORLANDPARK_VL02.DWG		2/27/2008	ISSUE FOR PERMIT

TITLE:
GENERAL NOTES, SUMMARY OF QUANTITIES & LEGEND

PROJ. NO.	SHEET # OF #2	DRAWING NO.
01-0176	2	2



PROJ. NO.	07-016
SHEET	3 OF 12
DRAWING NO.	3

LIGHTING PLAN - 1

TITLE		DATE	
DESIGN	DATE	DATE	DATE
SCALE	1"=50'-0"	SCALE	1"=50'-0"
PLANNING	DATE	DATE	DATE
FILE NAME	DATE	DATE	DATE

VILLAGE OF ORLAND PARK, ILLINOIS
 U.S. RT. 46 / LA GRANGE ROAD
 STREET LIGHTING PROJECT

the village of
Orland Park
 14700 South Reynolds Avenue
 Orland Park, IL 60462



CLIENT:
 CHRISTOPHER B. BURKE ENGINEERING, LTD.
 8575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (947) 822-0500

CB
 BURKE ENGINEERING, LTD.

LA GRANGE ROAD

LIGHTING SYSTEM
 LIGHTING CONTROLLER
 (SEE PLAN FOR LIGHTING CONTROLLER "CL")
 BURKE & WOODMAN
 8746-1001-1002
 BURKE & WOODMAN
 BURKE & WOODMAN

LA GRANGE ROAD

165th ST.

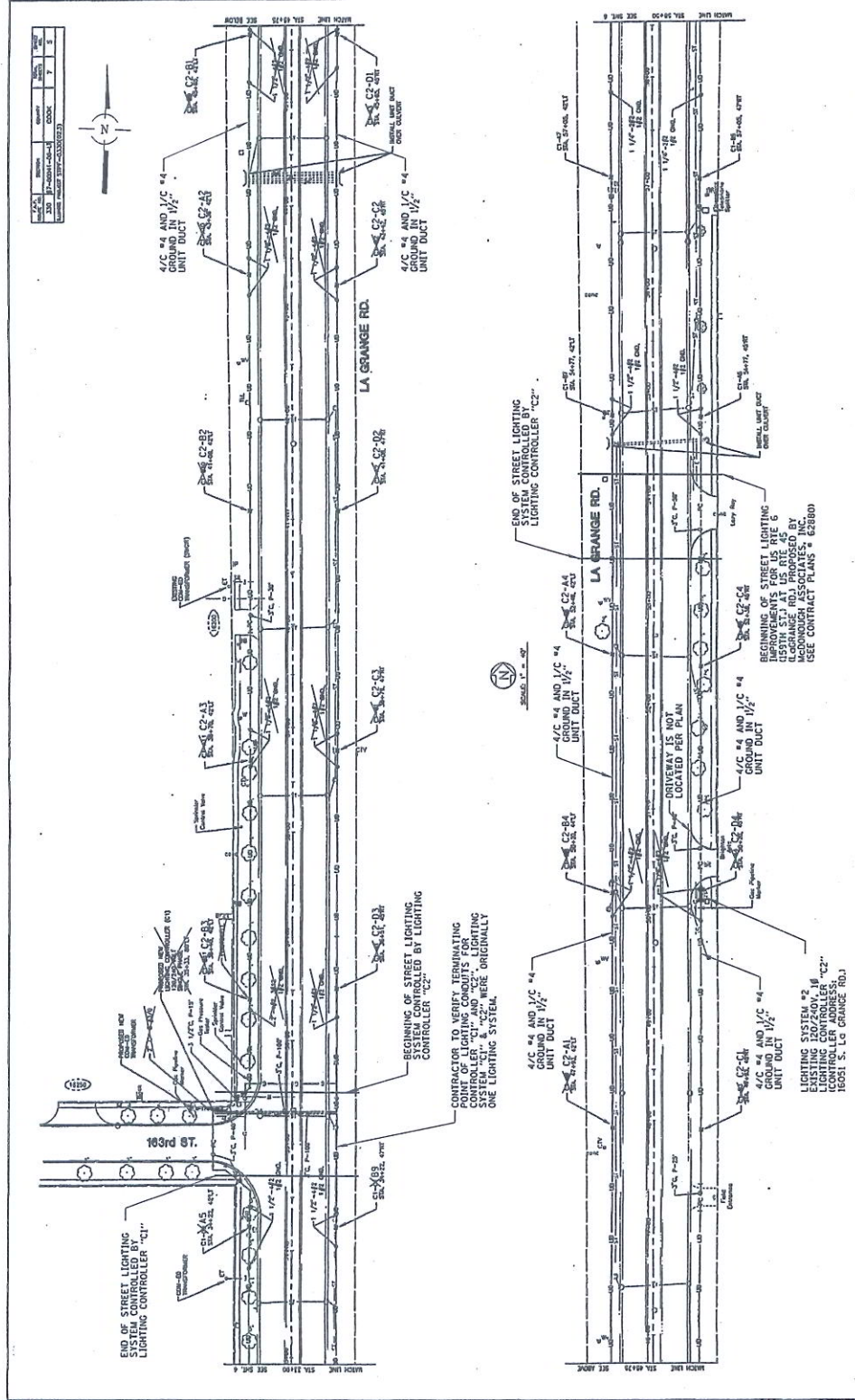
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LA GRANGE ROAD

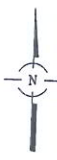
LA GRANGE ROAD

LA GRANGE ROAD

4 OF 7



DATE	BY	CHKD	APP'D
7/1/80	J. BURKE	J. BURKE	J. BURKE
7/1/80	J. BURKE	J. BURKE	J. BURKE
7/1/80	J. BURKE	J. BURKE	J. BURKE



NO.	DATE	DESCRIPTION	BY	CHKD

SEE LIST TO CORRELATE WITH CONTRACTOR'S SHOP DRAWINGS

Baechler & Woodman
 Professional Engineers
 14700 South Ravinia Avenue
 Oak Park, Illinois 60462
 Tel. (708) 399-7900



VILLAGE OF ORLAND PARK, ILLINOIS
 U.S. RT. 46 / LA GRANGE ROAD
 STREET LIGHTING PROJECT

LA GRANGE ROAD

5 OF 7

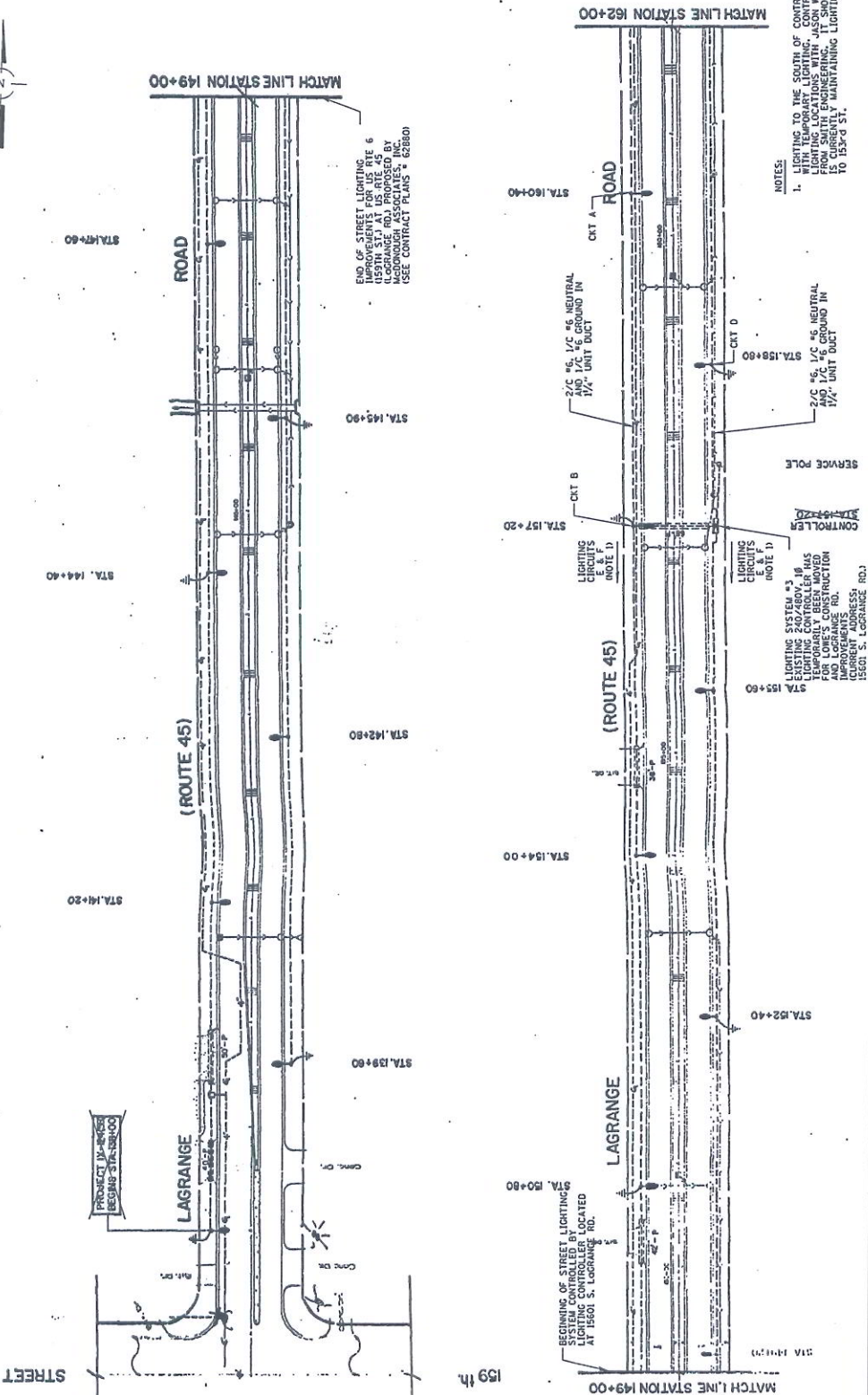
CLIENT:
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 8575 W. Higgins Road, Suite 600
 Chicago, Illinois 60618
 (847) 822-0880

THE VILLAGE OF ORLAND PARK
 14700 South Ravinia Avenue
 Oak Park, IL 60462

TITLE:
 LIGHTING PLAN - 2

PROJ. NO.: 01-0176
SHEET 4 OF 12
DRAWING NO.: 4

STATE ROUTE	SECTION	COUNTY	PROJECT
103 L-000	COOL	10	C
ILLINOIS STATE HIGHWAY DEPARTMENT			



FOR USE OF STREET LIGHTING IMPROVEMENTS FOR ILL. RTE 45 (159TH ST.) AT US. RTE 45 BY AGGONOUGH ASSOCIATES, INC. (SEE CONTRACT PLANS # 62B80)

- NOTES:
- LIGHTING TO THE SOUTH OF CONTROLLER HAS BEEN REPLACED WITH TEMPORARY LIGHTING. CONTRACTOR TO COORDINATE FINAL LIGHTING WITH THE CONTRACTOR FOR THE CONSTRUCTION OF THE ROAD FROM SMITH ENGINEERING. IT SHOULD BE NOTED THAT LOWE'S IS CURRENTLY MAINTAINING LIGHTING SYSTEM FROM 157TH ST. TO 159TH ST.

PROJ. NO.	01-0176
SHEET	5 OF 12
DRAWING NO.	5

LIGHTING PLAN - 3

NO.	DATE	BY	REVISION

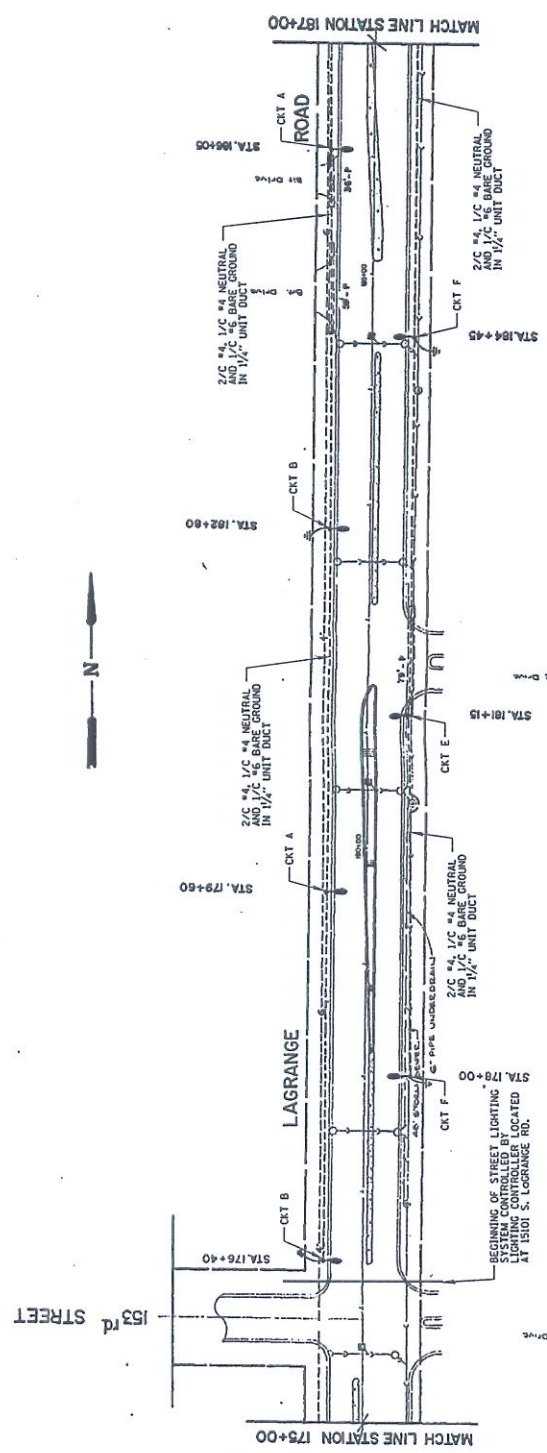
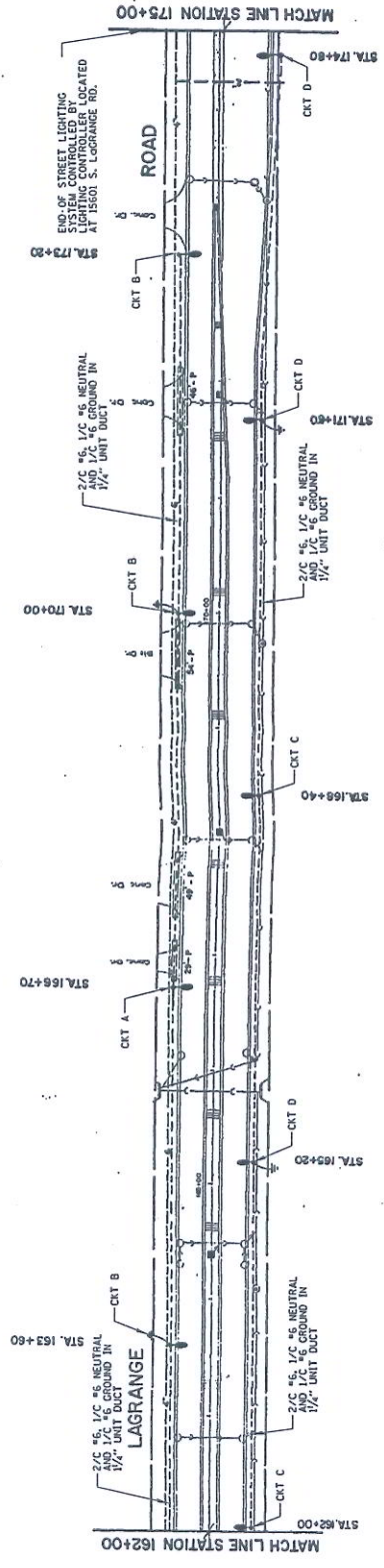
the village of **Orland Park**
 14700 South Raybills Avenue
 Orland Park, IL 60462



CLIENT:
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 823-0500

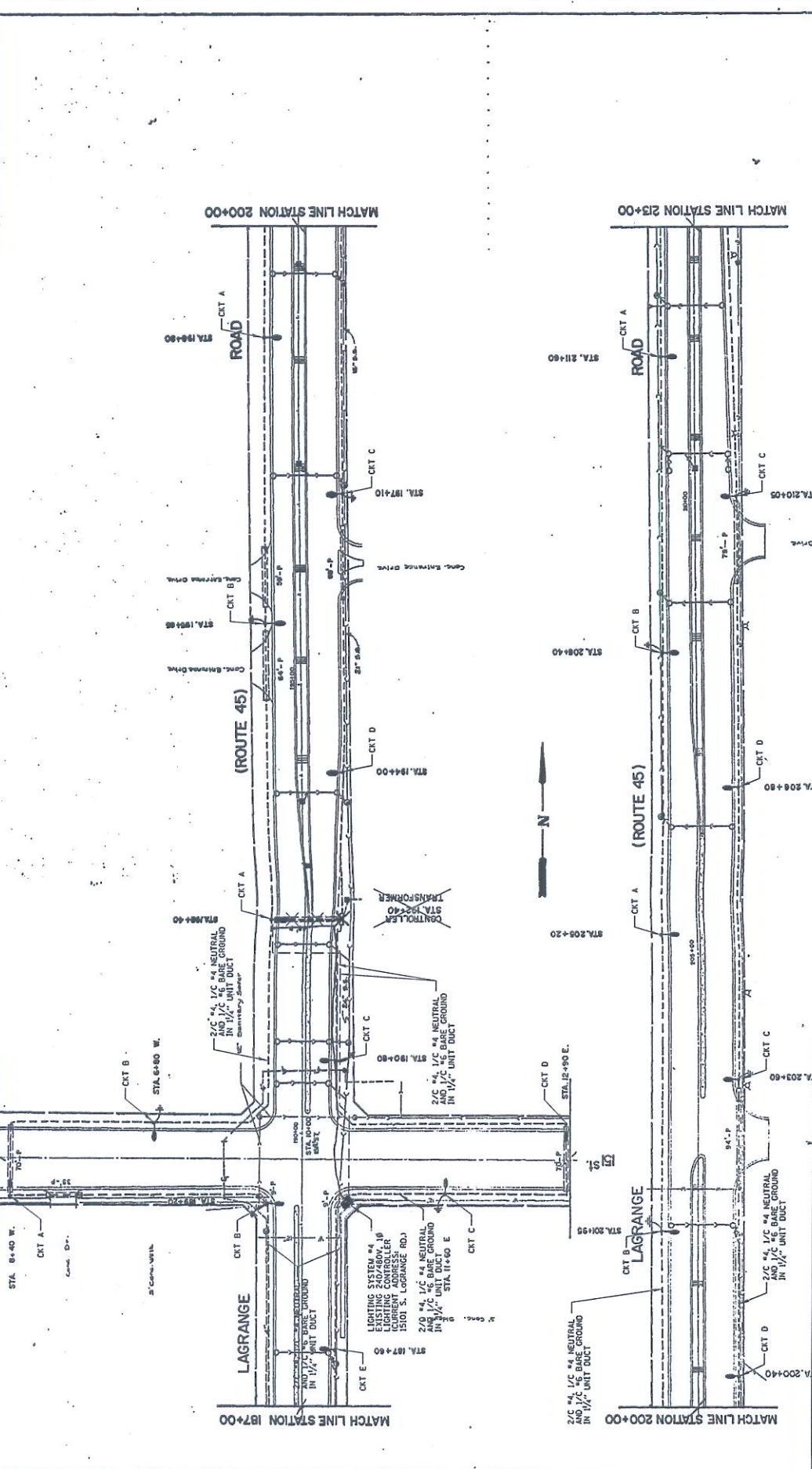


P.A. ESTATE	SECTION	COUNTY	SHEET	SHEET
(144P-104)	109 L.600	COO IL	10	7
ILLINOIS FEEL INCREASED MAT. @ 0.0022-00-LT.				

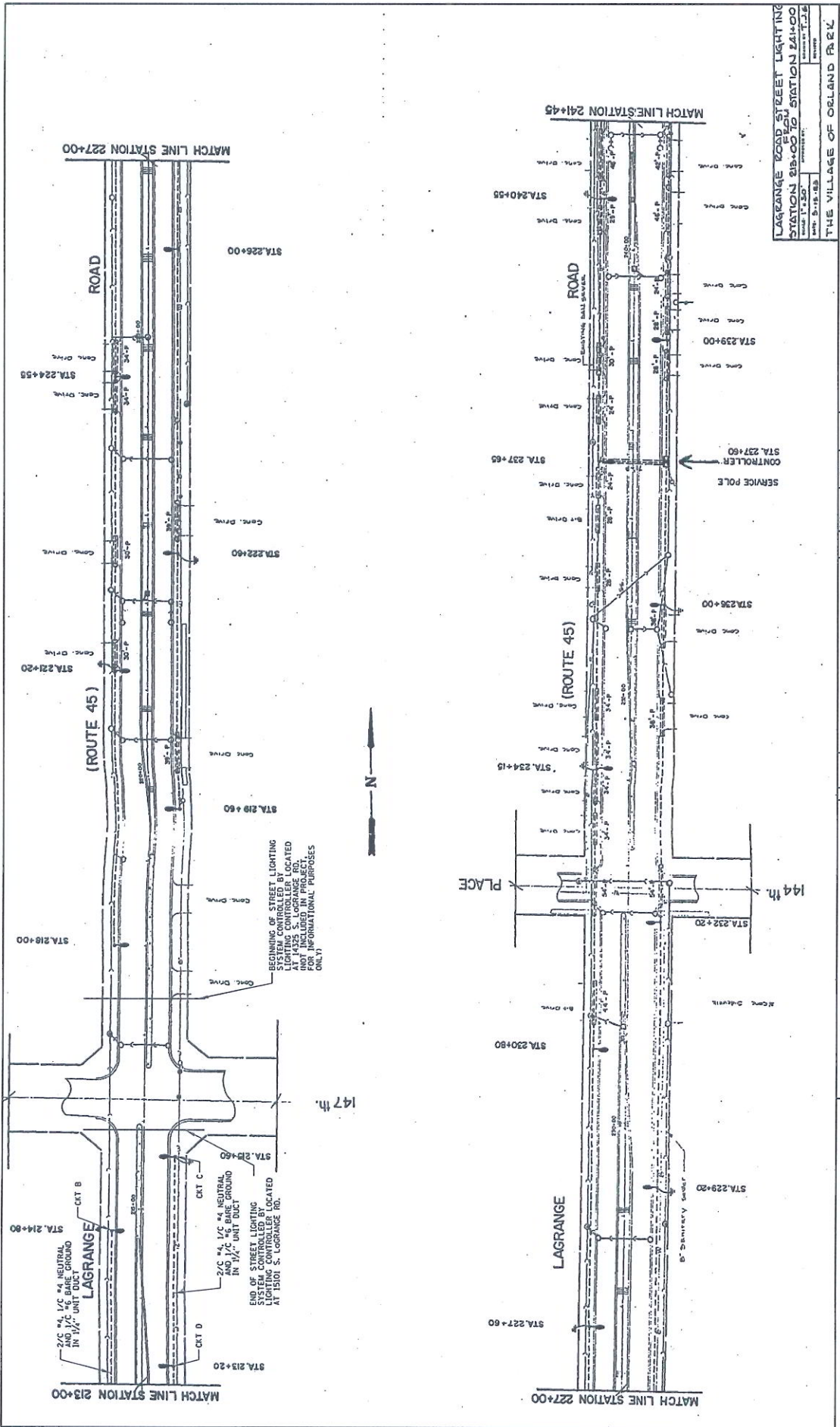


 CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	CLIENTS the village of Orland Park 14700 South Ravinia Avenue Orland Park, IL 60462	TITLE LIGHTING PLAN - 4	PROJ. NO. DT-0176
	FILE NAME IL09.A09.P01.P01E.MXD\VDI01E.A612T		SHEET 6 OF 12

CONTRACT NO.	109-L-1907	CONTRACT DESCRIPTION	CONTRACT VALUE	DATE
PROJECT NO.	109-L-1907	PROJECT DESCRIPTION	PROJECT VALUE	DATE
DESIGNER	CHRYSLER	ENGINEER	DATE	



	CHRISTOPHER B. BURKE ENGINEERING, LTD. 8575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (817) 523-5500	CLIENTS THE VILLAGE OF ORLAND PARK 14700 South Ravinia Avenue Orland Park, IL 60462	TITLE LIGHTING PLAN - 5
	PROJECT NO. 07-0176 SHEET 7 OF 12 DRAWING NO. 7	DESIGNER SCALE DATE FILE NAME	DRAWN BY CHECKED BY PROJECT NAME



LAGRANGE ROAD STREET LIGHTING
STATION 213+00 TO STATION 241+00
 SCALE: 1" = 30'-0"
 DATE: 11-18-88

PROJ. NO. 07-0176
 SHEET 8 OF 12
 DRAWING NO. 8

LIGHTING PLAN - 6

CLIENT: **the village of Orland Park**
 14700 South Ravinia Avenue
 Orland Park, IL 60462

DESIGN: []
 CHECK: []
 SCALE: 1" = 30'-0"
 PLOT DATE: 2/29/2008
 PLOT BY: []
 MODEL: []
 MODEL NAME: []

NO. DATE: []
 NAME OF REVISOR: []
 FILE NAME: []

FILE MADE IN: []

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 823-0500

General Purpose Dry Type Transformers
Standard Voltages and Primary/Secondary



Figure 1 - Standard Voltages and Primary/Secondary

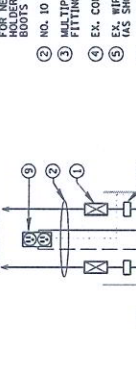
Primary Voltage	Secondary Voltage	Capacity (KVA)	Weight (LBS)	Dimensions (H x W x D)
120/240	120/240	1.5	100	18 x 18 x 18
120/240	120/240	2.5	150	24 x 24 x 24
120/240	120/240	5.0	250	30 x 30 x 30
120/240	120/240	7.5	350	36 x 36 x 36
120/240	120/240	10.0	450	42 x 42 x 42
120/240	120/240	15.0	650	48 x 48 x 48
120/240	120/240	20.0	850	54 x 54 x 54
120/240	120/240	25.0	1050	60 x 60 x 60
120/240	120/240	30.0	1250	66 x 66 x 66
120/240	120/240	35.0	1450	72 x 72 x 72
120/240	120/240	40.0	1650	78 x 78 x 78
120/240	120/240	45.0	1850	84 x 84 x 84
120/240	120/240	50.0	2050	90 x 90 x 90
120/240	120/240	55.0	2250	96 x 96 x 96
120/240	120/240	60.0	2450	102 x 102 x 102
120/240	120/240	65.0	2650	108 x 108 x 108
120/240	120/240	70.0	2850	114 x 114 x 114
120/240	120/240	75.0	3050	120 x 120 x 120
120/240	120/240	80.0	3250	126 x 126 x 126
120/240	120/240	85.0	3450	132 x 132 x 132
120/240	120/240	90.0	3650	138 x 138 x 138
120/240	120/240	95.0	3850	144 x 144 x 144
120/240	120/240	100.0	4050	150 x 150 x 150

General Purpose Dry Type Transformers are listed in order of increasing capacity. The transformer is shown in the standard 120/240 volt configuration. The transformer is shown in the standard 120/240 volt configuration. The transformer is shown in the standard 120/240 volt configuration.

Contractor to coordinate with utility for proper installation. The transformer is shown in the standard 120/240 volt configuration. The transformer is shown in the standard 120/240 volt configuration. The transformer is shown in the standard 120/240 volt configuration.

Notes: 1. BEFORE INSTALLATION OF BREAKAWAY BASE, USER SHOULD CONSULT WITH AUTHORIZED DISTRIBUTOR REGARDING USER'S INSTALLATION METHODS. FAILURE TO FOLLOW THESE METHODS MAY RESULT IN IMPROPER INSTALLATION, TO APPROACH CIRCLES, SHIMS SHALL NOT BE USED.

BREAKAWAY TRANSFORMER BASE
N.T.S.



- 1. CONNECTOR ATTACHMENT WITH TRANSFORMER AND NON-FUSED FUSES AND INSULATING HOLES AND INSULATING HOLES (NOTE 3)
- 2. NO. 10 A.W.G. WIRE
- 3. MASTING COMPRESSION FITTINGS (SLICES)
- 4. EX. CONCRETE FOUNDATION
- 5. EX. WIRE IN CONDUIT HAS SHOWN ON PLANS
- 6. LUG PIGTAIL DUCT IN PLACE
- 7. POLE GROUND LUG CLAMPED TO GROUND ROD
- 8. NEW 120V-20A RECEPTACLE POLE BASE
- 9. EXISTING GROUND ROD
- 10. CONCRETE IS TO BE IN TRANSFORMER BASE
- 11. BREAKAWAY TRANSFORMER BASE

PHASE CONDUCTOR
NEUTRAL CONDUCTOR

CONTRACTOR TO PROVIDE ALL NEW CONNECTORS, FITTINGS, FUSES, FUSEHOLDERS AND POLE WIRING WHICH SHALL BE PAID FOR AT THE CONTRACTOR'S UNIT PRICE FOR "POLE MOUNTED RECEPTACLE, COMPLETE"

CONTRACTOR TO PROVIDE 3" OF ADDITIONAL SLACK CABLE ON THE LINE TO BE USED FOR SERVICING OF THE POLE BASE

FUSES SHALL BE COPPER BUSSMAN MODEL NO. FAN-10, AND IN-LINE FUSES SHALL BE COPPER BUSSMAN REB SERIES.

HANDHOLE WIRING DIAGRAM
N.T.S.



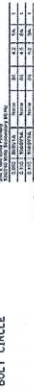
3/4" #3/70 SERVICE CABLES FOR 120/240V. CABLES TO BE INSTALLED IN SERVICE

EXISTING 200A MAIN BREAKER

EXISTING 200A BREAKER

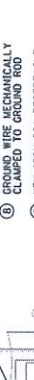
EXISTING 200A BREAKER

EXISTING LIGHT STANDARD DETAIL
N.T.S.



- 1. CONTRACTOR TO REMOVE EXISTING BREAKAWAY COUPLINGS & SKIRT WHERE APPLIED AND REPLACE WITH PROPOSED BREAKAWAY TRANSFORMER BASE.
- 2. PROPOSED 0.25 KVA, 240V PRIMARY/SECONDARY IN PROPOSED BREAKAWAY TRANSFORMER BASE IS LOCATED IN HANDHOLE WIRING DIAGRAM FOR PROPOSED CONNECTIONS.
- 3. THE NEW RECEPTACLE IS TO BE LOCATED AT 15'-0" ABOVE EXISTING GRADE. THE NEW CONTRACTOR SHALL USE A NON-FERROUS PLUG IN POLE WHERE EXISTING RECEPTACLE IS REMOVED.

SPlicing ELECTRIC CABLE
N.T.S.



- 1. USE 1/2" SURVIVABLE CAP WITH FACTORY APPLIED SEALANT. WATERPROOF SEALANT, INSULATE NUMBER OF CABLES AND USE SUGGESTED CRIMP TOOL (USED)
- 2. TRIMMED CABLES
- 3. SEALANT TYPE OR INSERT AROUND AND UNDER CROUCH SPACE
- 4. EXPOSED SEALANT
- 5. ELECTRIC CABLES IN SPLICING SHALL BE NOTED ON CONTRACT DRAWINGS
- 6. ELECTRIC CABLE TO LUMINAIRE RECEPTACLE (SIZED AS NOTED ON THE DRAWINGS)

EXISTING LIGHTING CONTROLLER LOCATED AT 16301 S. LaGRANGE RD.
N.T.S.



- 1. CONTRACTOR TO REMOVE EXISTING BREAKAWAY COUPLINGS & SKIRT WHERE APPLIED AND REPLACE WITH PROPOSED BREAKAWAY TRANSFORMER BASE.
- 2. PROPOSED 0.25 KVA, 240V PRIMARY/SECONDARY IN PROPOSED BREAKAWAY TRANSFORMER BASE IS LOCATED IN HANDHOLE WIRING DIAGRAM FOR PROPOSED CONNECTIONS.
- 3. THE NEW RECEPTACLE IS TO BE LOCATED AT 15'-0" ABOVE EXISTING GRADE. THE NEW CONTRACTOR SHALL USE A NON-FERROUS PLUG IN POLE WHERE EXISTING RECEPTACLE IS REMOVED.

16301 S. LaGRANGE RD.
LIGHTING CONTROLLER
CIRCUIT WATTAGE LOADS

CIRCUIT ID	400W HRS STANDARD	LOAD/UNIT (WATTS)	NON-120V RECEPTACLE	LOAD/UNIT (WATTS)	TOTAL CIRCUIT LOAD (WATTS)
A	9	478 W	9	120 W	5,382 W
B	9	478 W	9	120 W	5,382 W
C	-	478 W	-	120 W	-
D	-	478 W	-	120 W	-
TOTAL				120 W	10,764 W

CONTRACTOR TO COORDINATE WITH UTILITY FOR PROPER INSTALLATION. THE TRANSFORMER IS SHOWN IN THE STANDARD 120/240 VOLT CONFIGURATION. THE TRANSFORMER IS SHOWN IN THE STANDARD 120/240 VOLT CONFIGURATION.

ENCLOSURE AND ACCESSORIES
Enclosure Dimensions and Accessories

Part No.	Description	Quantity	Notes
1	ENCLOSURE	1	
2	TERMINAL BLOCK	1	
3	TERMINAL BLOCK	1	
4	TERMINAL BLOCK	1	
5	TERMINAL BLOCK	1	
6	TERMINAL BLOCK	1	
7	TERMINAL BLOCK	1	
8	TERMINAL BLOCK	1	
9	TERMINAL BLOCK	1	
10	TERMINAL BLOCK	1	
11	TERMINAL BLOCK	1	
12	TERMINAL BLOCK	1	
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99	TERMINAL BLOCK	1	
100	TERMINAL BLOCK	1	

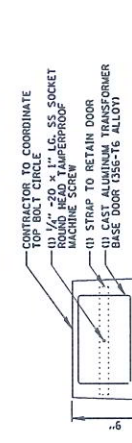
CLIENT:
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9675 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

THE VILLAGE OF ORLAND PARK
14700 South Ravinia Avenue
Orland Park, IL 60462

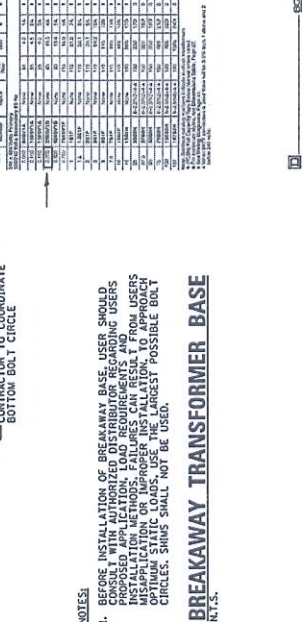
PROJ. NO. 01-0116
SHEET 9 OF 12
DRAWING NO. 9

General Reference Plan Title: These drawings are for the Lighting System for the Breakaway Transformer and Lighting Pole.

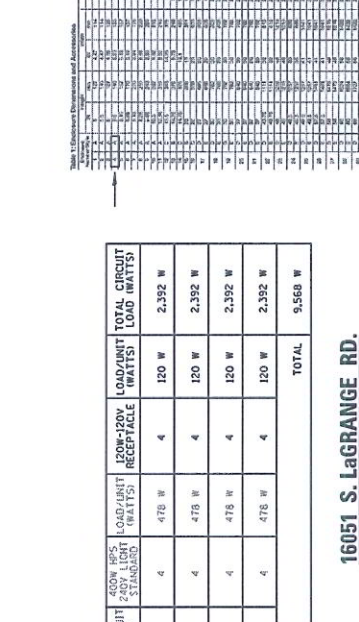
Application:
 General purpose lighting systems in the field for power, communication, and other applications.
Notes:
 A. All wiring shall be done in accordance with the National Electrical Code (NEC) and all applicable local codes.
 B. All equipment shall be installed in accordance with the manufacturer's instructions and all applicable local codes.
 C. All equipment shall be installed in a location that is accessible to the public and is not subject to damage from vehicles or other equipment.
 D. All equipment shall be installed in a location that is not subject to damage from weather conditions.
 E. All equipment shall be installed in a location that is not subject to damage from fire or other hazards.
Notes:
 1. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.
 2. The contractor shall be responsible for ensuring that all work is completed in accordance with the drawings and specifications.
 3. The contractor shall be responsible for ensuring that all work is completed in a safe and sound manner.



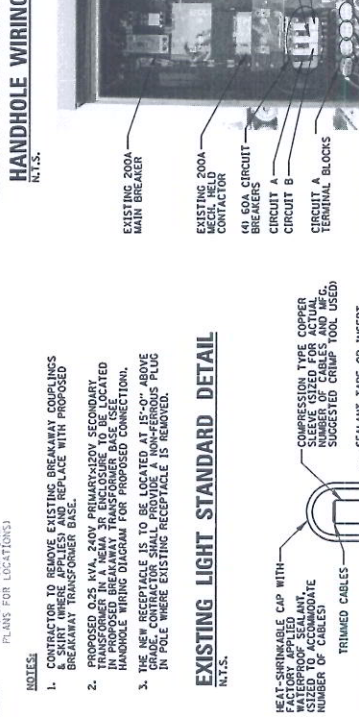
NOTES:
 1. BEFORE INSTALLATION OF BREAKAWAY BASE USER SHOULD CONSULT WITH AUTHORIZED DISTRIBUTOR REGARDING USER'S INSTALLATION METHOD. FAILURE TO CONSULT WITH AUTHORIZED DISTRIBUTOR OR IMPROPER INSTALLATION TO APPROACH CIRCLES SHALL NOT BE USED.
BREAKAWAY TRANSFORMER BASE
 N.Y.S.



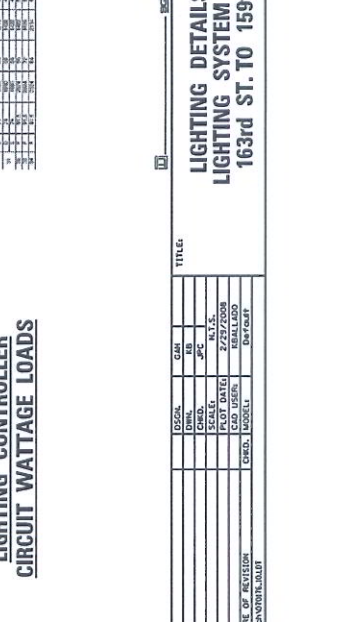
NOTES:
 1. CONTRACTOR TO PROVIDE ALL NEW CONNECTORS, FITTINGS, FUSES, AND TERMINALS.
 2. CONTRACTOR TO PROVIDE 3" OF ADDITIONAL SLACK CABLE ON THE LINE AND LOAD SIDE OF TRANSFORMER TO ALLOW FOR SERVICING OF THE LINE.
 3. FUSES SHALL BE COPPER BUSSMAN MODEL NO. FMM-10, AND IN-LINE FUSE HOLDERS SHALL BE COPPER BUSSMAN HEB SERIES.
HANDHOLE WIRING DIAGRAM
 N.Y.S.



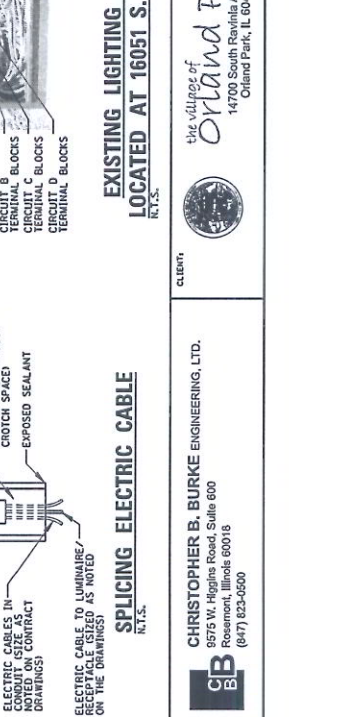
NOTES:
 1. CONTRACTOR TO REMOVE EXISTING BREAKAWAY COMPONENTS AND REPLACE WITH PROPOSED BREAKAWAY TRANSFORMER BASE.
 2. PROPOSED 0.25 MVA, 240V PRIMARY/240V SECONDARY TRANSFORMER IN A NEW 30" ENCLOSURE TO BE LOCATED AS SHOWN IN THE HANDHOLE WIRING DIAGRAM FOR PROPOSED CONNECTIONS.
 3. THE NEW RECEPTACLE IS TO BE LOCATED AT 15'-0" ABOVE GRADE. CONTRACTOR SHALL PROVIDE A NON-EROSIVE PLUG IN POLE WHERE EXISTING RECEPTACLE IS REMOVED.
EXISTING LIGHT STANDARD DETAIL
 N.Y.S.



NOTES:
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EXISTING LIGHT STANDARD DETAIL
 N.Y.S.



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EXISTING LIGHT STANDARD DETAIL
 N.Y.S.



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EXISTING LIGHT STANDARD DETAIL
 N.Y.S.

16051 S. LaGrange Rd.
LIGHTING CONTROLLER
CIRCUIT WATTAGE LOADS

CIRCUIT ID	400W RPSE LOAD UNIT STANDARD	LOAD UNIT (WATTS)	120W-120V RECEPTACLE	LOAD UNIT (WATTS)	TOTAL CIRCUIT LOAD (WATTS)
A	4	478 W	4	120 W	2,392 W
B	4	478 W	4	120 W	2,392 W
C	4	478 W	4	120 W	2,392 W
D	4	478 W	4	120 W	2,392 W
					TOTAL 9,568 W

16051 S. LaGrange Rd.
LIGHTING CONTROLLER
CIRCUIT WATTAGE LOADS

CIRCUIT ID	400W RPSE LOAD UNIT STANDARD	LOAD UNIT (WATTS)	120W-120V RECEPTACLE	LOAD UNIT (WATTS)	TOTAL CIRCUIT LOAD (WATTS)
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16051 S. LaGrange Rd.
LIGHTING CONTROLLER
CIRCUIT WATTAGE LOADS

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16051 S. LaGrange Rd.
LIGHTING CONTROLLER
CIRCUIT WATTAGE LOADS

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16051 S. LaGrange Rd.
LIGHTING CONTROLLER
CIRCUIT WATTAGE LOADS

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16051 S. LaGrange Rd.
LIGHTING CONTROLLER
CIRCUIT WATTAGE LOADS

CIRCUIT ID	400W RPSE LOAD UNIT STANDARD	LOAD UNIT (WATTS)	120W-120V RECEPTACLE	LOAD UNIT (WATTS)	TOTAL CIRCUIT LOAD (WATTS)
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					TOTAL 9,568 W

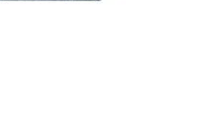
16051 S. LaGrange Rd.
LIGHTING CONTROLLER
CIRCUIT WATTAGE LOADS

CIRCUIT ID	400W RPSE LOAD UNIT STANDARD	LOAD UNIT (WATTS)	120W-120V RECEPTACLE	LOAD UNIT (WATTS)	TOTAL CIRCUIT LOAD (WATTS)
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B	4	478 W	4	120 W	2,392 W
C	4	478 W	4	120 W	2,392 W
D	4	478 W	4	120 W	2,392 W
					TOTAL 9,568 W

NO.	DATE	REVISION	BY	CHKD.	MODEL	DATE	REASON
1	2/27/2009						

CLIENT:
 the village of
Orland Park
 14700 South Bertrams Avenue
 Orland Park, IL 60462

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 823-0500



PROJECT NO. 07-0176
SHEET NO. 10 OF 12
DRAWING NO. 10

TITLE:
16051 S. LaGrange Rd.
LIGHTING CONTROLLER
CIRCUIT WATTAGE LOADS

SCALE:
DATE: 2/27/2009
BY:
CHKD.:
MODEL:
DATE:

REVISION:

REASON:

FILE NAME: N:\CORP\WORK\070176\16051\070176-10.DWG

SCALE:
DATE: 2/27/2009
BY:
CHKD.:
MODEL:
DATE:

REVISION:

REASON:

FILE NAME: N:\CORP\WORK\070176\16051\070176-10.DWG

SCALE:
DATE: 2/27/2009
BY:
CHKD.:
MODEL:
DATE:

REVISION:

REASON:

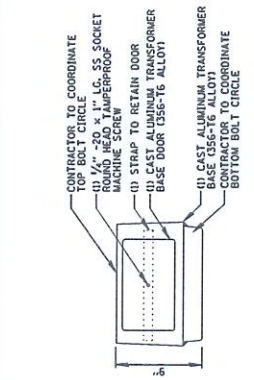
FILE NAME: N:\CORP\WORK\070176\16051\070176-10.DWG

General Purpose Dry-Type Transformers
Standard Ventilation and Heat-Piloted Ignition

Applications
These transformers are designed for use in industrial, commercial, institutional, and residential applications. They are suitable for use in indoor and outdoor environments. They are suitable for use in indoor and outdoor environments. They are suitable for use in indoor and outdoor environments.



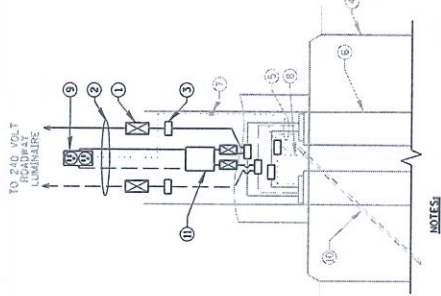
Model	Capacity (kVA)	Primary Voltage (V)	Secondary Voltage (V)	Weight (lb)	Dimensions (H x W x D)
GP-100	100	2400	240	1000	48 x 48 x 72
GP-150	150	2400	240	1500	54 x 54 x 78
GP-200	200	2400	240	2000	60 x 60 x 84
GP-250	250	2400	240	2500	66 x 66 x 90
GP-300	300	2400	240	3000	72 x 72 x 96
GP-350	350	2400	240	3500	78 x 78 x 102
GP-400	400	2400	240	4000	84 x 84 x 108
GP-450	450	2400	240	4500	90 x 90 x 114
GP-500	500	2400	240	5000	96 x 96 x 120
GP-550	550	2400	240	5500	102 x 102 x 126
GP-600	600	2400	240	6000	108 x 108 x 132
GP-650	650	2400	240	6500	114 x 114 x 138
GP-700	700	2400	240	7000	120 x 120 x 144
GP-750	750	2400	240	7500	126 x 126 x 150
GP-800	800	2400	240	8000	132 x 132 x 156
GP-850	850	2400	240	8500	138 x 138 x 162
GP-900	900	2400	240	9000	144 x 144 x 168
GP-950	950	2400	240	9500	150 x 150 x 174
GP-1000	1000	2400	240	10000	156 x 156 x 180



NOTES:
1. BEFORE INSTALLATION OF BREAKAWAY BASE, USER SHOULD CONSULT WITH AUTHORIZED DISTRIBUTOR REGARDING PROPOSED APPLICATION, LOAD REQUIREMENTS AND MISAPPLICATION OR IMPROPER INSTALLATION. TO APPROXIMATE STATIC LOADS, USE THE LARGEST POSSIBLE BOLT CIRCLE. SHIMS SHALL NOT BE USED.

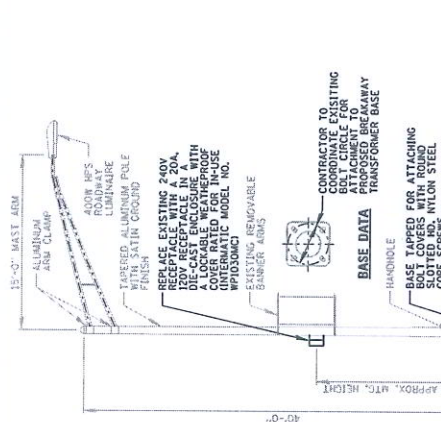
BREAKAWAY TRANSFORMER BASE
N.T.S.

- CONNECTOR KIT METHOD WITH 1/2" DIA. FOR LIGHTS. USE THESE OR OTHER LIGHTS USED FOR NEUTRAL INSIDE A FUSE BOOT (NOTE 3)
- NO. 10 A.W.G. WIRE
- MULTIPLE COMPRESSION FITTINGS (ISCIET)
- EX. CONCRETE FOUNDATION
- EX. WIRE IN CONDUIT (AS SHOWN ON PLANS)
- LIGHTING DUCT IN PVC RACEWAY
- POLE GROUND LUG
- GROUND WIRE MECHANICALLY CLAMPED TO GROUND ROD
- NEW 120V-20A RECEPTACLE MTD. APPROX. 15'-0" ABOVE POLE BASE
- EXISTING GROUND ROD
- PROPOSED 0.25 KVA, 240V PRIMARY/120V SECONDARY BREAKAWAY TRANSFORMER BASE



NOTES:
1. CONTRACTOR TO PROVIDE ALL NEW CONNECTORS, FITTINGS, FUSES, FUSE HOLDERS AND WIRING.
2. CONTRACTOR TO PROVIDE 3' OF ADDITIONAL SLACK CABLE ON THE LINE AND LOAD SIDE OF TRANSFORMER TO ALLOW FOR SERVICING OF THE LINE.
3. FUSES SHALL BE COOPER BUSSMAN MAKE, NO. FAK-10, AND IN-LINE FUSE HOLDERS SHALL BE COOPER BUSSMAN HB SERIES.

HANDHOLE WIRING DIAGRAM
N.T.S.



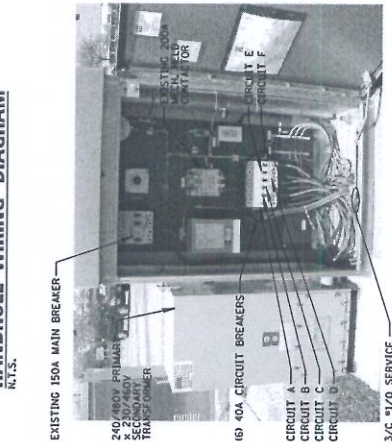
NOTES:
1. CONTRACTOR TO REMOVE EXISTING BREAKAWAY COUP BUSES & SPLIT WHERE APPLIED AND REPLACE WITH PROPOSED BREAKAWAY TRANSFORMER BASE.
2. PROPOSED 0.25 KVA, 240V PRIMARY/120V SECONDARY BREAKAWAY TRANSFORMER BASE TO BE LOCATED IN PROPOSED TRANSFORMER BASE ENCLOSURE. WIRING DIAGRAM FOR PROPOSED CONNECTION.

SPlicing ELECTRIC CABLE
N.T.S.

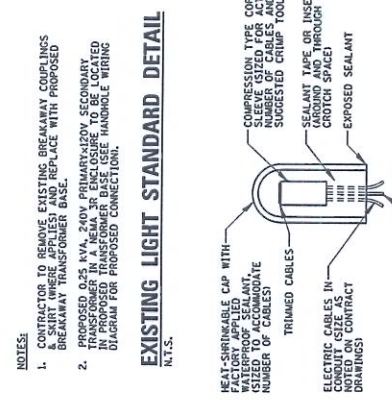
Table 1 - Enclosure Dimensions and Accessories

Model	Capacity (kVA)	Primary Voltage (V)	Secondary Voltage (V)	Weight (lb)	Dimensions (H x W x D)
GP-100	100	2400	240	1000	48 x 48 x 72
GP-150	150	2400	240	1500	54 x 54 x 78
GP-200	200	2400	240	2000	60 x 60 x 84
GP-250	250	2400	240	2500	66 x 66 x 90
GP-300	300	2400	240	3000	72 x 72 x 96
GP-350	350	2400	240	3500	78 x 78 x 102
GP-400	400	2400	240	4000	84 x 84 x 108
GP-450	450	2400	240	4500	90 x 90 x 114
GP-500	500	2400	240	5000	96 x 96 x 120
GP-550	550	2400	240	5500	102 x 102 x 126
GP-600	600	2400	240	6000	108 x 108 x 132
GP-650	650	2400	240	6500	114 x 114 x 138
GP-700	700	2400	240	7000	120 x 120 x 144
GP-750	750	2400	240	7500	126 x 126 x 150
GP-800	800	2400	240	8000	132 x 132 x 156
GP-850	850	2400	240	8500	138 x 138 x 162
GP-900	900	2400	240	9000	144 x 144 x 168
GP-950	950	2400	240	9500	150 x 150 x 174
GP-1000	1000	2400	240	10000	156 x 156 x 180

CIRCUIT ID	WIRE USES (STANDARD)	LOAD/UNIT (WATTS)	120V-120V RECEPTACLE	LOAD/UNIT (WATTS)	TOTAL CIRCUIT LOAD (WATTS)	TOTAL CIRCUIT LOAD (WATTS)
A	7	478 W	7	120 W	4,186 W	
B	8	478 W	8	120 W	4,784 W	
C	6	478 W	6	120 W	3,588 W	
D	5	478 W	5	120 W	2,890 W	
E	2	478 W	2	120 W	1,196 W	
F	2	478 W	2	120 W	1,196 W	
					TOTAL	17,940 W



EXISTING LIGHTING CONTRROLLER LOCATED AT 15101 S. LaGRANGE RD.
N.T.S.



EXISTING LIGHT STANDARD DETAIL
N.T.S.

15101 S. LaGRANGE RD. LIGHTING CONTRROLLER CIRCUIT WATTAGE LOADS

CLIENT: CHRISTOPHER B. BURKE ENGINEERING, LTD.
8575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(647) 823-0500

FILE NAME: N:\LA\LA\LA\15101S\LA\15101S.DWG
DATE: 2/27/2009
SCALE: N.T.S.
DATE: 2/27/2009
SCALE: N.T.S.

PHO. NO.: 01-3016
SHEET 12 OF 12
DRAWING NO.: 12